

**AGENDA**  
**OCONEE COUNTY COUNCIL MEETING**  
**TUESDAY, NOVEMBER 16<sup>th</sup>, 1999**  
**3:00 PM**  
**OCONEE COUNTY ADMINISTRATIVE OFFICES**  
**415 S. PINE STREET**  
**WALHALLA, SC 29691**

1. Call to Order
2. Invocation
3. Public Comment Session not to Exceed Thirty Minutes
4. Approval of Minutes
5. Consideration of Request for Funds for Remote Communications System Between Oconee County Administrative Complex and Oconee County Law Enforcement Center – Mr. Steve Pruitt, Chief Deputy and Mr. John Murray Communications Equipment Manager
6. Consideration of Bids for Uniforms for Sheriff’s Department – Chief Deputy Steve Pruitt and Donna McAlister, Purchasing Department
7. Consideration of Approval of Application for Emergency Preparedness Mitigation Grant(s) – Mr. Henry Gordon, Emergency Preparedness Director
8. Consideration of Approval of Letter Seeking Reimbursement of Funds Expended in Search Effort – Mr. Henry Gordon, Emergency Preparedness Director
9. Consideration of Agreement Between Oconee County and Blue Ridge Electric Cooperative, Inc. – Mr. Tom Hendricks, County Planner
10. Consideration of Requests for Qualifications for Wireless Communication Consultants – Mr. Tom Hendricks, Planning Director
11. Second Reading of Ordinance 99-16, “AN ORDINANCE TO PROVIDE FOR THE TRANSFER OF FUNDS NOT TO EXCEED \$1,500,000 FROM THE FUND BALANCE ACCOUNT OF OCONEE COUNTY, SOUTH CAROLINA FOR THE CONSTRUCTION OF “T” HANGARS AND CORPORATE HANGARS AT THE OCONEE COUNTY REGIONAL AIRPORT AND OTHER MATTERS RELATING THERETO”
12. Consideration of Request for Gravel for Walking Trail at James M. Brown Elementary School

A G E N D A

Oconee County Council Meeting  
Tuesday, November 16, 1999  
3:00 PM

13. Old Business
14. New Business
15. Adjourn

There will be an administrative briefing for the purpose of discussing legal, contractual and personnel matters thirty minutes before the Council Meeting.

The Oconee County Law Enforcement, Safety, Health, Welfare & Services Committee will meet Tuesday, November 16, 1999 at noon in Council Chambers, 415 South Pine Street, Walhalla, SC for the purpose of discussing the proposal of hourly changes and the operating hours of the Westminster Magistrate's Office and the move that the Seneca Magistrate's Office may undertake. Further, the committee will be discussing the policy regarding the upkeep and maintenance of county owned properties.

The Oconee County Budget & Finance Committee will meet Tuesday, November 16, 1999 at 1:00 PM in Council Chambers, 415 South Pine Street, Walhalla, SC for the purpose of discussing the proposed addition to Lila Doyle.

The Oconee County Personnel & Intergovernmental Committee will meet Tuesday, November 16, 1999 at 2:00 PM for the purpose of discussing the proposed salary for an IT Person and the recommendation for an employee with a planning degree in the Planning Department.

Old & New Business will be discussed in each committee meeting as necessary.

**MEMBERS, OCONEE COUNTY COUNCIL**

Mr. Tim O. Hall, District I   Mr. J. Harold Thomas, District II  
Mr. Harry R. Hamilton, District III   Mrs. Ann H. Hughes, District IV  
Mr. Charles R. "Chuck" Timms, District V

**MINUTES, OCONEE COUNTY COUNCIL MEETING**

The regular meeting of the Oconee County Council was held Tuesday, November 16, 1999 at 3:00 PM in Council Chambers with all Council Members and the County Attorney present.

**Press:**

Members of the press notified (by mail): Journal/Tribune, Keowee Courier, Westminster News, Anderson Independent, Greenville News, The Times Upstate, WGOG Radio, WSNW Radio, WCCP Radio, WPEK Radio, Northland Cablevision, WYFF TV, WSPA TV & WLOS TV.

Members of the press present: Northland Cable.

**Call to Order:**

The meeting was called to order by Supervisor-Chairman Orr who welcomed those present.

**Invocation:**

Mr. Hamilton gave the invocation.

**Public Comment Session:**

Mr. B. J. Littleton commented on the cost of the proposed hangars at the airport, he also informed the Supervisor and Council that he defended them when he felt they did the right thing.

**Minutes:**

Mr. Timms made a motion, seconded by Mrs. Hughes, approved 5 – 0 that the minutes of the regular meeting held November 2, 1999 be adopted as printed.

**Uniforms for Sheriff's Department:**

Upon recommendation of Sheriff James Singleton & Ms. Donna McAlister of the Purchasing Department, Mr. Hamilton made a motion, seconded by Mrs. Hughes, approved 5 – 0 that the bid for uniforms for the Sheriff's Department be awarded to Whole Armor who was low bid at \$46,075.14 for approximate quantities of uniforms needed. (See attached bid sheet)

**Emergency Preparedness:**

Upon recommendation of Mr. Henry Gordon, Emergency Preparedness Director, Mr. Hamilton made a motion, seconded by Mr. Hall, approved 5 – 0 that Emergency Preparedness submit pre-applications for mitigation grants to the Division of South Carolina Emergency Preparedness for the following projects:

<b>Project:</b>	<b>Amount:</b>
Camp Oak Creek Road	\$150,000
Roll Up Shutters for Pine Street Complex	\$ 9,000
Generators for Red Cross & Special Needs Shelters	\$ 60,000

These grants are 75-25 match, however the county will not have to expend any funds until the grants are adopted by the county. (See attachments)

Further, upon recommendation of Mr. Gordon, Mr. Timms made a motion, seconded by Mr. Hall, approved 5 – 0 that the attached letter be submitted to Senator Thurmond's Office requesting reimbursement of funds expended during the search for Rachel Trois' body in Lake Chatooga.

**Agreement Between Blue Ridge Electric, Inc. & County:**

Upon recommendation of Mr. Tom Hendricks, Planning Director, Mr. Timms made a motion, seconded by Mr. Thomas, approved 5 – 0 that the attached agreement between Blue Ridge Electric Cooperative, Inc. and Oconee County for Blue Ridge to provide funds for the county to relocate an electric pole and the construction of water and sewer lines to Pine River Plastics, Inc. be adopted.

**Wireless Communication Consultants (Contingency):**

Upon recommendation of Mr. Tom Hendricks, County Planner, Mr. Timms made a motion, seconded by Mr. Hamilton, approved 5 – 0 that CompComm be retained to complete a feasibility study on cell tower location sites in the county, the mapping of the sites and inventorying the present towers and that up to \$35,000 be taken from contingency for this study.

**Ordinance 99-16:**

Mr. Thomas made a motion, seconded by Mrs. Hughes, approved 5 – 0 that Ordinance 99-16, "AN ORDINANCE TO PROVIDE FOR THE TRANSFER OF FUNDS NOT TO EXCEED \$1,500,000 FROM THE FUND BALANCE ACCOUNT OF OCONEE COUNTY, SOUTH CAROLINA FOR THE CONSTRUCTION OF "T" HANGARS AND CORPORATE HANGARS AT THE OCONEE COUNTY REGIONAL AIRPORT AND OTHER MATTERS RELATING THERETO" be adopted on second reading to include the changes as delineated on the attached copy.

**Gravel for James M. Brown School (Contingency):**

Mr. Thomas made a motion, seconded by Mr. Timms, that the attached request for four hundred (400) tons of gravel for a walking trail at the James B. Brown School be adopted.

Mr. Hall made a motion, seconded by Mr. Thomas, approved 5 – 0 that the motion be amended to include a cost of \$3,000 to come from contingency.

The motion as amended was then adopted 5 – 0.

**Noise Ordinance:**

Mr. Timms informed Council he was still receiving complaints regarding the noise control ordinance.

**Purchase Meet:**

The Purchasing, Contracting, Real Estate, Building & Grounds Committee scheduled a meeting December 7, 1999 at 5:30 PM in Council Chambers.

**Humane Society (Contingency):**

Upon recommendation of the Law Enforcement, Safety, Health, Welfare & Services Committee, Council voted unanimously to reimburse the Humane Society \$4,000 in unexpected expenses this fiscal year for the repair of a water line, water bills, the repair of the septic tank, overtime, the answering machine, etc.

**Rural Fire:**

Further, upon recommendation of the Law Enforcement, Safety, Health, Welfare & Services Committee, Council voted unanimously that the request to have the specifications rewritten with the assistance of the top four (4) manufacturers of fire trucks be withdrawn.

**Road Committee Meet:**

The Roads & Transportation Committee scheduled a meeting Tuesday, December 7, 1999 at 3:00 PM for the purpose of making a field trip to view some roadways.

**Personnel Recommendations:**

Mr. Hamilton, Chairman, Personnel & Intergovernmental Committee, informed Council it was the recommendation of the committee that the IT position and the GIS position be combined with a job description to be written by the SC Appalachian Council of Governments and that the secretarial position be eliminated and a Planner I be hired with the funds coming from the excess in salary funds for this fiscal year. This recommendation was adopted 5 – 0.

Mr. Hamilton further informed Council that it was the recommendation of the committee that the Personnel Department explore the possibility of a sick leave pool for county employees. This recommendation was adopted 5 – 0.

**Budget & Finance Recommendations:**

Mr. Hall, Chairman, Budget & Finance Committee, informed those present it was the recommendation of the committee that Oconee County pursue the project of assisting with funding through whatever options are available to insure the addition is made to the Lila Doyle facility. This recommendation was adopted 5 – 0.

Mr. Hall further informed those present that it was the recommendation of the Budget & Finance Committee that the county obtain the following information from the hospital:

**Budget & Finance Recommendations Continued:**

1. The budget of Oconee Memorial Hospital, Inc. for the current fiscal year and prior fiscal year.
2. The audit report of Oconee Memorial Hospital, Inc. as prepared by its independent auditors for the current fiscal year and prior fiscal year.
3. Any applications for certificates of need of such an expansion or addition filed by Oconee Memorial Hospital, Inc. within the last five (5) years.

This recommendation was adopted unanimously.

**Dispensing of Funds:**

Upon recommendation of the Budget & Finance Committee, Council voted unanimously that funds collected by the county for agencies and entities be dispersed once a month at the end of the month.

**Solicitor's Office:**

Mrs. Hughes made a motion, seconded by Mr. Hall, approved 4 – 1 (Mr. Hamilton voting against) that the request of the Solicitor's Office to purchase a computer before the IT persons is hired be denied.

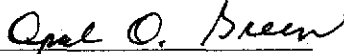
**Treasurer's Office:**

Mr. Timms made a motion, seconded by Mr. Thomas, approved 5 – 0 that \$3,610 be taken from contingency to hire a temporary person in the Treasurer's Office due to the Treasurer being out of the office at this time with sickness in her family.

**Adjourn:**

Adjourn: 4:00 PM

Respectfully Submitted

  
Opal O. Green  
Council Clerk

## ***TowerTactics LLC***

P.O. Box 781123  
Orlando, Florida 32878-1123  
(407) 823-7639  
(407) 207-5925/Facsimile

Via Federal Express  
October 15, 1999

Ms. Marianne Dillard  
Purchasing Agent  
County of Oconee  
415 South Pine Street, Room 107  
Walhalla, South Carolina 29291

RE: RFQ #99-15: Request for Qualifications

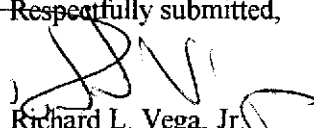
Dear Ms. Dillard:

Submitted for consideration, in an original and eight (8) copies, is a response to the above-referenced RFQ (#99-15), dated October 4, 1999, which highlights the qualifications of TowerTactics LLC to render professional planning and consulting services in the field of wireless telecommunications.

TowerTactics LLC was formed specifically to help local governments manage and control the growth of wireless telecommunications by assisting in all aspects of the design and implementation of tower development plans... from strategy to tactics to construction. For a complete response to the RFQ, please refer to the attached.

Should the County have any questions concerning these matters, contact the undersigned at (407) 823-7639.

Respectfully submitted,

  
Richard L. Vega, Jr.  
President and Project Manager

Submitted in Original and Eight (8) Copies



**STATEMENT OF QUALIFICATIONS**

**RESPONSE  
TO  
REQUEST FOR QUALIFICATIONS (RFQ#99-15)**

Dated October 4, 1999

**INVITATION TO RENDER PROFESSIONAL PLANNING CONSULTING SERVICES IN  
THE FIELD OF WIRELESS TELECOMMUNICATIONS**

County of Oconee

Submitted by: **TowerTactics LLC**

P.O. Box 781123

Orlando, Florida 32878-1123

Phone: (407) 823-7639

Fax: (407) 207-5925

Contact: Richard L. Vega, Jr.-Project Manager

### **I. Background:**

In an effort to plan for the anticipated growth in the area of telecommunications and the requisite proliferation of tower structures, the County of Oconee, South Carolina, is in the process of developing a Performance Standards Ordinance consistent with the Telecommunications Act of 1996. As with any ordinance which proposes an alteration to the land, the County's environmental, as well as aesthetic and economic concerns, must be addressed.

### **II. Objectives:**

The County of Oconee, South Carolina, desires to retain a professional consulting firm knowledgeable in the area of telecommunications planning to help evaluate, develop and implement, among other things:

- ✓ • Support for the County in the development of a Performance Standard Ordinance;
- Complete an evaluation of the characteristics of the County;
- ✓ • Prepare an economic advantages report identifying benefits of County controlled tower development plan;
- Provided mapping and other data as directed and/or necessary;
- ✓ • Develop an inventory of existing tower structures;
- Assist in the development of a sustainable master plan;
- Develop a comprehensive tower zoning plan with a strategic coverage and propagation overview; and,
- Investigate the benefits and consequences of a County initiated facilities plan designed to promote and insure co-location while monitoring the environmental and aesthetic impact to the land.

### **III. Statement of Qualifications:**

TowerTactics LLC, incorporated in South Carolina, was formed primarily to assist communities in the development of standards to be applied to the multitude of telecommunications carriers converging onto the landscape. The principals of our company have been involved in telecommunications for over a decade. The President of TowerTactics LLC, and the designated Project Manager for the Oconee County project, if selected, is Richard L. Vega, Jr. Mr. Vega has been directly involved in, among other things, site acquisition, tower procurement, periodic inspection, evaluation, audit services, administration of contracts for tower and site maintenance, as well as other duties associated with tower construction and ownership. Mr. Vega's experience includes the full turnkey development of telecommunications systems from initial system design and equipment procurement through full operation.

The company understands the concerns the community faces and is qualified to help bridge the gap between telecommunications growth and the environmental, aesthetic, and economic concerns of the community.

A.) Statement of Compliance:

Attached is a Statement of Compliance prepared specifically for this project. Our company has been involved in high-level projects, similar to the project identified in the RFQ, and also has extensive experience in top-level decision-making activities.

B.) Demonstrated Competence and Experience:

*anyone else?*

Richard L. Vega, Jr. will be the Project Manager and holds over 20 years experience in matters identical to those identified in the RFQ (see Resume of Key Personnel). Mr. Vega also has a significant amount of experience in dealing with the Federal Communications Commission and the Federal Aviation Administration. Key expertise, related to the scope of this project, include:

1. Site survey and suitability studies for the placement of telecommunications towers;
  - Mr. Vega was a founding member of the nation's first full service telecom site acquisition and development company in the United States... known as Summit Sites, Inc. This company, under Mr. Vega's direction, acquired over 1000 telecommunications sites and negotiated an equal number of site lease agreements for various telecommunications carriers throughout the United States.
  - The company maintains the digitized 3 arc second terrain data for computer mapping; and,
  - The company has access to extensive tower site databases to utilize for existing site searches.
2. Radio frequency expertise:
  - Provided numerous companies, government entities and non-profit organizations with engineering services for virtually all telecommunications related services licensed by the Federal Communications Commission;

*Handwritten mark resembling a large 'D' or '3' with a question mark.*

- Capability of calculating signal contour studies, generate propagation models, and complete path profiles including terrain shadowing images in house;
  - Recognition of the different propagation characteristics of the different broadcast services; and,
  - Understanding of the requirements of the various carriers that would, or could, be constructing systems within the County.
3. Familiarity and experience with the Telecommunications Act of 1996:
- Participation in the development of regulatory issues that resulted in the drafting of the Telecommunications Act of 1996; and,
  - Mr. Vega has submitted numerous Petitions pertaining to the construction of the Telecommunications Act beginning with the 1993 spectrum auction authority.
4. Services performed on behalf of local government entities:
- Provided numerous government entities with telecommunications services including Orange County, Florida for tower placement and frequency planning. Recently, Mr. Vega assisted the Orange County in negotiating a facilities lease agreement with BellSouth Corp.; and,
  - Other similar entities include:
    - County of Lee, Florida
    - City of Baldwin, Iowa
    - Butler University (Indianapolis, Indiana)
    - Farmers Mutual Telephone
5. Ability to Perform:
- The company is capable of performing within the prescribed guidelines effectively and efficiently.

## STATEMENT OF COMPLIANCE

TowerTactics LLC, hereby states that it is competent and experienced in the area of professional planning and consulting in the field of wireless telecommunications; That it understands the objectives contained within the Request for Qualifications (RFQ#99-15) pertaining to the development of a comprehensive Performance Standards Ordinance; That the Project Manager, Richard L. Vega, Jr., has over 20 years of experience in the area of telecommunications consulting; And whose qualifications in the field of telecommunications are a matter of record with the Federal Communications Commission and the Federal Aviation Administration. And with this experience, TowerTactics LLC confirms its ability to comply with the specifications of the services requested.

By: 

Richard L. Vega, Jr.,  
Project Manager  
TowerTactics LLC

Dated: October 15, 1999

## STATEMENT OF NO CONFLICT

TowerTactics LLC hereby states to its best knowledge and belief, that it is NOT affiliated in any manner with any party that may create a conflict of interest. There are no known past or current, personal or business relationships with any county official associated with this project. Neither TowerTactics LLC, nor its principals has ever applied for, or constructed, a tower in Oconee County, South Carolina.

By: 

Richard L. Vega, Jr.  
Project Manager  
TowerTactics LLC

Dated: October 15, 1999

## LIST OF REFERENCES

TowerTactics LLC, through its Project Manager hereby submit the following references for the purpose of this project:

Orange County, Florida  
Communications Division  
201 S. Rosalind Avenue  
Orlando, Florida 32801  
(407) 836-5320  
Jim Evans

Butte County Office of Education/  
Paradise Unified School District  
C/o 118 W. MacArthur Blvd., Suite 310  
Santa Ana, California 92707  
(949) 551-4308  
Frank Hopper

Private Networks, Inc.  
28 Old Fulton Street, Suite 5A  
Brooklyn, New York 11201  
(212) 292-5595  
William Walker

Oak Hill Consultants, Inc.<sup>1</sup>  
1308 West Highway 13  
Burnsville, Minnesota 55337  
(612) 894-5813  
Larry Butler

KTFL-TV  
P.O. Box 350  
Tupelo, Mississippi 38802  
(601) 842-7620  
Frank Spain

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<sup>1</sup> Mr. Vega performed in a subcontracted capacity for Oak Hill and provided various consulting service for numerous local government entities such as Spencer Municipal Utilities of Spencer, Iowa and the City of Baldwin, Baldwin, Iowa.

***Resume of Key Personnel***  
***RICHARD L. VEGA, JR.***  
**PROJECT MANAGER**

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**President/Chief Executive Officer-Phase One Communications, Inc. 1987-April 1999**

Multifaceted, independent full service telecommunications consulting firm representing clients involved in wireless telecommunications systems throughout the world. Provide the design, construction and operation management services for multiple telecommunications systems including transmitting site locations.

Strategic and tactical responsibility as management consultant to lead clients' developmental and operational activities as related to wireless technologies. Oversee all in-house management and financial programs.

*Achievements:*

- Site acquisitions for over 500 national and international telecommunications carriers.
- Co-location programs to promote and accommodate multiple tenants on single tower facilities. Increased revenues to tower owners.
- Provided telecom related services to: Orange County, Florida; Lee County, Florida; City of Baldwin, Iowa; Butler University, Indianapolis, Indiana among others.

**Director Paging/Broadcast/Site Acquisition Division-Graphic Scanning Corp. 1979-1987**  
(Now a BellSouth Company)

Senior executive responsible for the development of newly formed Site Acquisition Division (Summit Sites, Inc.), which handled the construction, maintenance, and modification of Graphic Scanning Corp., and its affiliated companies' tower sites throughout the United States. Supervised 25 engineers as well as field technicians, site specialists, and administrative personnel.

*Achievements:*

- Developed nation's first site acquisition service creating a new revenue source for the corporation.
- Completed site acquisitions for all MSA and RSA cellular markets focusing on existing structure lease opportunities as cost saving alternative.
- Pioneered innovative computer software to track and maintain existing site structures creating a more efficient operation center at the Orlando Headquarters.



**QUALIFICATION HIGHLIGHTS AND AREAS OF STRENGTH:**

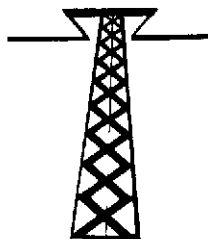
- Administrative/Supervisory background with P&L responsibility.
- Extensive experience with site acquisition, site preparation, tower erection, site maintenance activities including unauthorized access and vandalism abatement techniques.
- Leasing/Sub-leasing services, contract negotiation, radio frequency familiarity, equipment procurement and working knowledge of all wireless service industries such as PCS, Cellular, Paging, and Broadcast.
- Superior familiarity with Federal Communications Commission policies and procedures (47 C.F.R).
- Superior familiarity with Federal Aviation Administration policies and procedures.
- EPA RF hazard compliance determination capability.
- Working relationship with tower structure firms such as Rohn, Allied, and Andrew among others.
- Knowledge of qualified riggers, certified inspectors, and maintenance contractors.
- Zoning/Permitting experience.
- Ability to target all Carriers licensed to provide Wireless Services inside the target area.

explain

# GUNBY COMMUNICATIONS INC.

13 OLD LIBERTY HILL ROAD  
TOCCOA, GEORGIA 30577

706-886-4406 FAX: 706-282-1315



MIDLAND LMR  
LAND MOBILE RADIO

BENDIX/KING

AUTHORIZED SALES - SERVICE

10/19/99

Oconee County Purchasing Department  
415 South Pine Street, Room 107  
Wahalla, SC 29691

Reference: RFQ #99-15  
Professional Planning and Consulting of  
Wireless Communications Services

Ms. Marianne Dillard,

I would like to submit my offer for the services you requested in RFQ 99-15. My company and or personnel have designed, developed and installed a variety of communications systems for local and federal government agencies. During the last five years Gunby Communications has become one of the largest site management companies in the upstate area. We have developed and currently own and operate nine communications sites in Georgia and South Carolina. These sites house company owned equipment as well as customer equipment involving leased space contracts. Management of these sites mandate our ability to incorporate many types of communications equipment including two way radio, digital paging, cellular and data in the same building and make them work on a non interference basis.

During development of these sites we have appeared before zoning boards promote our sites and gain zoning approval for their construction. Section 704 of the 1996 Telecom Act has been an issue and discussed during these sessions. We have had numerous conversations with our counsel and those of other entities regarding the various sections of this act and their applications to our business activities.

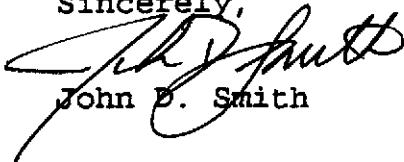
I have extensive experience in developing communications sites on US Forest Service lands. I worked for the US Forest Service as a Communications Management Specialist for nine years. I was responsible for managing all US Forest Service communications sites with the State of South Carolina. I worked with each site permittee to ensure compliance with Forest Service and FCC regulation compliance and resolved interference complaints as they arose.

While working with the US Forest Service, I was trained and called upon to work with their Interagency Incident Management Teams as a Type 1 Communications Unit Leader. I was also assigned to the Southern Region Disaster Recovery Team. During my tenure I was assigned to natural disaster and search and recovery incidents throughout the United States to coordinate, establish and manage

the communications for these incidents. It was my responsibility to establish an comprehensive communications plan to insure that all agencies involved could communicate with each other and carry out the incident mission. Communications on these incidents included portable two way radio systems with repeaters, crosslinks, etc, portable microwave and satellite systems for telephone and data, fixed base aviation equipment to communicate with on incident aircraft.

I hope you find our qualifications acceptable for you request. If you need additional information please contact me.

Sincerely,

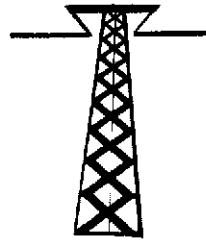
A handwritten signature in cursive script, appearing to read "John D. Smith".

John D. Smith

# GUNBY COMMUNICATIONS INC.

6013 OLD LIBERTY HILL ROAD  
ROSCOA, GEORGIA 30577

706-886-4406 FAX: 706-282-1315



MIDLAND LMR  
LAND MOBILE RADIO

BENDIX/KING

AUTHORIZED SALES - SERVICE

9/27/99

All Agencies/Departments

Reference: Request to be included as Vendor for  
radio communications system support

Agency Communications Manager,

My company is very likely close to your offices and in other cases my technicians will come to your sites to work on your equipment. I am certain that my company can provide you with the services you require to keep your communications systems operating in top fashion. In addition to time and materials repairs, I also offer contract maintenance agreements which allow you to better budget your communications expenditures. A copy of our maintenance pricing is enclosed. I would be glad to quote a maintenance contract if you are interested. We currently perform work for many businesses, local, state and federal government agencies. I have included a short list of our customers. I am sure any of them would provide references for our work, capabilities and services should you request it.

I have enclosed a list of the various types of services and associated products we support.

**Radio Communications Equipment:** Sales, Service and Installation of two way radio communications systems. We are factory authorized sales-service centers for most of the following brands; Motorola, Radius, Kenwood, Midland, GE, Maxon, Relm, Vertex and Bendix King. All of our technicians are either FCC licensed or certified by PCIA as Communications Technicians with over 40 years combined telecommunications experience.

**24 Hour service:** We offer 24 hour support to all customers with or without a maintenance contract. Special rates apply for non contract after hours support. No need to bring vehicles to our shop. We have three fully equipped service vehicles to handle most repairs and installations onsite.

**Vehicle Lighting/Sound/Video Equipment:** We can install customer provided equipment, provide the equipment from our own sources, or provide complete vehicular systems (including vehicle) for some public safety applications. We offer equipment from Whelen, Federal Signal, Able 2, and Code 3.

**Tower Erection and Maintenance:** We offer climbing and maintenance service for towers up to 500 ft and can provide erection of guyed and non-guyed towers up to 300 feet.

**911 Dispatching Consoles:** We offer Orbacom dispatching products. Orbacom is the second largest console manufacturer in the world. They offer VDT consoles with graphics and interface capabilities that are second to none. Orbacom consoles are custom designed for each application and can include digital voice storage/playback, on screen ANI/ALI information as well as CAD operating systems capable of network applications.

**Digital and Alphanumeric Paging:** We also offer county and municipal contracts for all our paging services. Our paging systems offer local numbers and eliminate the need to dial long distance numbers associated with other paging suppliers.

**Consulting and Custom Engineering:** With our varied background in communications, we can engineer systems that meet any need and can be custom designed for your application. Our systems can offer enhanced security, guaranteed coverage bonds, integration of different types of services (voice, data, video, AVL, and vehicle tracking). Many times we can engineer RF based systems that eliminate the need for telephone lines and their associated costs.

We have numerous services that we can offer and our rates are competitive. I ask that you consider my company for any of the above services. Again thank you for your time and consideration. Please let me know if I can be of any assistance.

Sincerely,

John D. Smith  
Sales/Service Manager

**Customer References:**

Stephens County Fire Department	Rodney Burdette	706-886-8656
Stephens County Sheriff Dept	Gene Sorrells	706-886-2525
Oconee County Public Safety	Marianne Dillard	864-638-4141
Newberry County Sheriff Dept	James Lee Foster	803-321-2211
Standard Telephone Co	Ross Martin	706-778-2201
Tugaloo Construction Co	Tom Logue	706-886-4027
Rabun Co School System	Lee Dixon	706-782-5110
US Forest Service	Beth Davis	803-561-4036

See 11/16/99  
Meeting



**Statement of Qualifications**  
**for**  
**Oconee County, South Carolina**  
**relative to**  
**Planning Consulting Services for**  
**Wireless Telecommunications**

**RFQ # 99-15**

October 20, 1999

Wireless Experts Since 1975

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## I Introduction

Comp Comm, Inc. (“**COMP COMM**”) welcomes the opportunity to respond to the solicitation from Oconee County for professional and technical services in the field of wireless telecommunications planning.

**COMP COMM**, *an independent wireless communications engineering consulting firm*, has worked in the wireless industry since 1975. We are uniquely qualified to help local governments such as Oconee County address their emerging wireless issues through:

- our position as **independent** experts
- our **focus** on local government issues
- our years of **experience** in the wireless industry
- our **commitment** to engineering excellence
- our **knowledge** of the regulations and industry players.

Within the past several years, **COMP COMM** has successfully assisted multiple local government clients develop wireless communications plans involving issues similar to those facing Oconee County. Our depth of experience means we give our clients insight into what they can and can’t achieve, from both a regulatory and a technical perspective, resulting in plans that are better able to accommodate future developments.

**COMP COMM**’s philosophy is based on the *balanced* expansion of wireless communications. Given both the ever-increasing demand for wireless services and the requirements of the federal Telecommunications Act of 1996, few local governments can totally prevent the expansion of wireless communications facilities in their area. **COMP COMM** believes that, by proactively planning how wireless communications facilities *can* come into their area, local governments can manage their growth, reduce or even eliminate the contentiousness surrounding this issue, lessen the chance of future litigation, and successfully balance the needs of all their constituents.

**COMP COMM** understands that Oconee County desires to develop a Performance Standards Ordinance (the “Ordinance”) for wireless communications facilities or devices within Oconee County, and that its Ordinance incorporate not merely the technical stipulations associated with wireless communications facilities, but also:



- the requirements and limits set forward in the Telecommunications Act of 1996,
- the County's environmental and aesthetic concerns, and
- community needs for wireless communications.

**COMP COMM is well-positioned to meet all these requirements.**

## **II Area-Specific Information**

Oconee County is located in the northwest corner of South Carolina, and borders on both Georgia and North Carolina.

Oconee County covers approximately 625 square miles, of which more than 611 are currently classified as rural (source: South Carolina Association of Counties web site). The County contains both National Forest and numerous state parks, as well as large bodies of water including Lakes Keowee and Hartwell. It is a popular recreation destination and is experiencing rapid economic growth, being along the I-85 corridor.

## **III Services to be Rendered**

Per the RFQ, the services to be rendered by COMP COMM to the County may include, but would not be limited to:

1. The evaluation of the characteristics of Oconee County, as related to telecommunications facilities or devices.
2. Mapping, where necessary.
3. Providing an inventory of existing towers and their locations.
4. Preparation of a sustainable master plan for the location of facilities and devices.
5. Assisting the County in creation of a comprehensive tower zoning plan, a subsequent ordinance, to include verification with FCC RF emission standards, which would provide the best coverage with the fewest towers.
6. Investigation of the benefits and consequences of the County construction and operating facilities on publicly owned land.

**These are all activities in which COMP COMM has the required expertise and experience, and which we would be pleased to perform for Oconee County.**

## IV Corporate Qualifications

COMP COMM is not a traditional planning firm, but *an independent wireless communications engineering consulting firm that specializes in helping local governments manage their emerging wireless issues*. Our position as independent experts, our focus on local government clients, our years of experience in the wireless industry, our commitment to engineering excellence, and our knowledge of the regulations and industry players *uniquely qualify us* to help local governments such as Oconee County solve the new problems they are facing due to the explosive growth in wireless communications.

### *Company History*

Since 1975, COMP COMM has made a business of solving complex technical and operational problems in wireless telecommunications. While serving a broad base of both public and private clients, the Company has maintained its focus on the *balanced* expansion of wireless services throughout the United States.

In our early years, COMP COMM provided comprehensive engineering services and technical support to FCC frequency spectrum applicants. The Company soon gained recognition as a reliable industry resource and was employed to design wireless systems during the early years of cellular. COMP COMM designed 18 of the 30 largest markets and successfully defended all its designs during the FCC comparative hearing process. Our engineers later designed and evaluated hundreds of systems ranging from the original New York City cellular system to single-site rural radio applications.

After years of in-house design work, COMP COMM's extensive experience and capabilities were tapped to develop and operate five rural cellular systems. The Company managed these systems from successful application and license award; through system design, build-out and operation; to marketing and subsequent sale. More recently, COMP COMM has performed significant field work for its clients, including evaluation of sites throughout the country to ensure compliance with FCC and FAA regulations. Through these services, we assure systems operate within authorized parameters and at peak efficiency.

### ***Service to Local Governments***

In 1996 we began leveraging our years of insider expertise to develop a new suite of services designed to help local governments develop unbiased, fact-based and cost-effective solutions to their wireless issues – solutions which consider the interests of *all* their constituents and not just the needs of the service provider. In 1998, **COMP COMM**'s senior management decided to redirect the company and focus on serving local government clients.

Our needs- and use-based analysis for local governments includes local traffic flows, land use restrictions, aesthetics, and the projected wireless communication needs of the community. **COMP COMM** understands that each community has its own needs and areas of concern in the management of wireless communications facilities, and we work with each client to develop solutions that address their unique priorities and requirements. Our clients value us because they know we will provide answers and solutions based on a complete and comprehensive evaluation.

**COMP COMM has performed the following services for its local government clients.** Please note this list is not all-inclusive, but represents those areas we feel might be of greatest interest to Oconee County.

- Development of comprehensive plans for wireless communications facilities, and technical support and subject-matter expertise for the development of ordinances and by-laws related to wireless communications facilities.

Rather than developing “blanket” requirements for wireless communications facilities throughout an entire area, **COMP COMM** provides its clients with a highly-customized plan that guides wireless service providers in the placement of their facilities through differentiated requirements: stricter in those areas that must be protected as much as possible, more flexible in those areas where such facilities are more in line with existing land use designations. Our plans typically identify specific sites to be “pre-zoned” for such facilities, as well as the restrictions (height, type, appearance, setbacks, landscaping, etc.) for those sites. Remaining areas are covered by stricter requirements and/or the requirement that the service provider go through a permit or variance process.

We recognize that Oconee County has unique requirements and constraints based on its limited zoning authority, but feel assured we can work together to develop a plan that best enables the County to achieve its desired objectives in the development of its Performance Standards Ordinance.

- Advising local government clients on the uses, feasibility, advantages and restrictions of using “stealth” and other technologies in the placement of wireless communications facilities.
- Evaluations of applications (by service providers and tower companies) for new wireless facilities.
- Development of information templates and procedures for applicants for new wireless facilities.
- Development and analysis of alternative siting options for specific sites requested by applicants.
- Development of procedures to verify compliance with FCC RF emissions standards.
- Modeling/forecasting of RF emissions from proposed sites.
- “On the ground” measurement and analysis of RF emissions, including evaluation for compliance with FCC RF emissions standards and recommendations for achieving and maintaining compliance.
- Development and presentation of information to support/enable local officials’ decisions on building or operating facilities on publicly-owned property. This has included analysis of site suitability; discussion of alternatives to achieve desired aesthetic and technical objectives and of the pros and cons of various deal structures; research on potential tenants and likely revenues; investigation of attractiveness to specific tenants; and the development of RFP requirements for potential site operators.
- Expert testimony on wireless siting issues.
- Analysis of and recommendations for resolving RF interference problems for Public Safety wireless communications systems.

- General and technical background information, training seminars, and “on call” support to assist local decision-making on issues related to wireless communications.

Some of our clients are listed in Section X, Project References, on page 13.

### ***Technical Qualifications and Resources***

A significant component of many of our services is our site suitability analysis. Using our proprietary “Real World” radio propagation software, we provide an accurate and cost-effective predictive model of wireless coverage. The model used for the coverage prediction is based on Okumura studies and is well established in the wireless communications industry.

COMP COMM’s engineers use standard and accepted engineering principles in all our analysis. We use modern test equipment, including GPS devices, for our field work, and have extensive computing resources, including GIS (mapping) applications.

Our staff includes personnel who are thoroughly knowledgeable in the FCC, FAA and OSHA requirements of wireless communications facilities, including those for RF emissions.

Biographies of Key Personnel are listed in Section IX, starting on page 10.

### ***Outside Recognition***

COMP COMM and its principals are recognized experts on the issues of siting wireless communications facilities by the industry and from a local government perspective. Both COMP COMM’s President and Vice President - Engineering have been invited speakers at national conferences and seminars for local government officials, including the recent NATOA Annual Conference in Atlanta and the 1999 Forum on Cable/Telco Franchising, where they have covered the issues such as tower siting and the 1996 Telecommunications Act. COMP COMM has also been featured or quoted in many articles and radio and television programs on wireless facilities issues, including a recent feature article in the September 1999 issue of American City and County magazine.

COMP COMM has been part of the dynamic growth of wireless communications for over 20 years. Today, our professional staff displays the same commitment to service excellence and dedication to providing cost-effective solutions on which the company was originally founded.

COMP COMM qualifies as a woman-owned business (WBE).

## V Timeframe

COMP COMM is committed to delivering results to our clients in a timely manner. We feel certain that our clients will speak to our ability to complete our work in an acceptable timeframe.

COMP COMM has current resources to begin working with Oconee County directly upon notification of the awarding of a contract. Timeframes for project completion depend on the tasks to be completed and the ready availability of the area-specific information necessary for our analysis. We will work with County officials to determine their required timeframes and can develop project milestones to assure County officials that work is progressing in a satisfactory manner.

## VI Fees

Due to the nature of the work and the uncertainty as to what issues may arise, many projects are difficult to define at the start to the point where we can provide a fair and accurate quote for services. As a result, COMP COMM is typically retained on an hourly basis. The hourly rates which apply to these types of project are as follows:

Engineering – Level I	\$150/hour
Expert Testimony – Level I	\$175/hour
Engineer – Level II	\$135/hour
Technical Staff - Non Engineering	\$ 90/hour
Administrative & Other Staff	\$ 45/hour

Direct expenses are billed at cost plus 10%.

Propagation studies are billed at \$100 per study completed.

We would be happy to provide an estimated cost of any specific project for which the County would require our assistance. To help you manage costs and budget expenditures, we can work in phased projects and/or with Not To Exceed (NTE) amounts.

## VII Requirements

In order to perform the level of analysis we feel is appropriate, COMP COMM *may* require information from Oconee County officials on:

- current zoning, including ordinances and maps, and known variances,
- locations of known existing wireless communications structures,
- locations of those publicly-owned properties to be considered as potential sites,
- activities of known wireless service providers operating in the County, and
- locations of those areas of greatest concern (or, conversely, those areas for which tower construction would not cause significant problems).

In order to reduce costs for Oconee County, we recommend that County officials identify one representative to act as our liaison and single point of contact for such information collection.

## VIII Corporate Disclosures

According to our research, the following companies are licensed to provide wireless mobile communications services in Oconee County:

- AllTel Wireless Communications
- AT&T Wireless PCS
- Bell Atlantic Mobile
- Bell South Mobility
- Carolina PCS
- Public Service PCS
- Sprint PCS

These are the companies we believe may wish to build a tower in Oconee County and therefore create the potential for a conflict of interest.

Prior to October 1998, **COMP COMM** had provided dial-up paging frequency database access to Bell Atlantic. These services were provided before **COMP COMM** management made the strategic decision to focus on municipal and local government clients rather than service providers. 1998 revenues from Bell Atlantic totaled less than \$200. **COMP COMM** no longer supports this database service and hence Bell Atlantic is no longer a customer. **COMP COMM** is not pursuing any future work with Bell Atlantic.

**COMP COMM** has no business relationship, nor has had since 1996, with any other company on this list.

Neither **COMP COMM** nor any of its employees has a personal or business relationship with any Oconee County official.

We know of no other relationships with the potential to create any conflict of interest with this project.



## **IX Biographies of Key Personnel**



**JOHN W. SIEBER, P.E.  
VICE PRESIDENT - ENGINEERING**

### **Summary of Experience**

Mr. Sieber has been exclusively involved in wireless engineering design and project management in an increasingly responsible capacity since joining COMP COMM in 1988 and has been VP of Engineering since 1994. His RF engineering experience includes support and consultation services in the design and development of wireless communications systems for public utilities, local and county governments, Regional Bell Operating Companies, and independent cellular and paging carriers. His experience includes overall technical responsibility for the initial design, build-out, implementation and operation of five geographically separate rural cellular systems. He has also directed the independent field compliance audits of over 4,000 cell sites.

His demonstrated expertise has made Mr. Sieber well regarded in the industry for his work with propagation analysis, both theoretically and from a field perspective. He is also thoroughly knowledgeable in the FCC, FAA and OSHA regulatory requirements of wireless communications.

Mr. Sieber has advised numerous local governments on technical issues and the regulations related to tower siting requirements of the wireless telecommunications industry, and aided them in proactively planning for site locations in the future. As a result, he is becoming a sought-after speaker in communities facing these issues.

### **Credentials**

Professional Engineer, New Jersey  
B.S., Electrical Engineering, Rutgers University  
M.S., Electrical Engineering, Drexel University

### **Professional Affiliations**

Institute of Electrical and Electronics Engineers  
- Member, Communications and Antenna and Propagation Societies



**CHRISTINE A. MALONE**  
**PRESIDENT and CEO**

**Summary of Experience**

Ms. Malone has spent her career working in the areas of telecommunications and wireless engineering, in both technical and market development roles. She joined COMP COMM as VP of Marketing and Strategy in September 1998 and became C.E.O. in January 1999 when she purchased a significant interest in the company from founder George Schrenk. Since April 1999, she has been majority owner of the corporation.

Before coming to COMP COMM, Ms. Malone served in market strategy, new product development and business management capacities with the “baby bell” U S WEST in Denver, Colorado. Most recently, she was the first Senior Market Manager for the company's \$75M education segment. In this role, she built the strategy and the team from the ground up; in 1997 they launched the successful Connected Schools™ program, which offers schools advanced telecommunications capabilities and resources to enhance the teaching and learning process. Revenue growth their first year in market approached 20%. Earlier in her career, Ms. Malone worked as a radar engineer and technical trainer for Westinghouse Electric Corp. (now part of Northrop-Grumman), where she traveled the world training NATO Air Force personnel on airborne radar jamming equipment. She served as Engineer-in-Charge at field sites in England, Germany and Arizona.

In addition to being the overall manager of COMP COMM, Ms. Malone is in charge of expanding the company's services into new markets. She evaluates new business opportunities for the 24-year-old company; develops business alliances with other companies within the communications industry; and directs the company's marketing efforts.

**Credentials**

B.S., Electrical Engineering, University of Pennsylvania  
M.S., Industrial Administration, Carnegie Mellon University

**Professional Affiliations**

Women in Cable and Telecommunications, Member



**GEORGE L. SCHRENK, Ph.D.**  
**FOUNDER and CHAIRMAN EMERITUS**

**Summary of Experience**

Since 1959, Dr. Schrenk has been an active technical consultant to numerous government agencies and private corporations. He has thirty-five years professional experience in engineering, physics, mathematics, electronics, data base design, communications and computer applications. He has been listed in various biographical publications including American Men and Women of Science.

Dr. Schrenk has been active in both the academic and business arenas throughout his career. He has been on the faculty of the School of Engineering at the University of Pennsylvania since 1965, currently as an adjunct professor. As a Senior Member of the Institute of Electrical and Electronics Engineers (IEEE), he participated in the work of the IEEE Vehicular Technology Society Committee on Radio Propagation. Dr. Schrenk conducted much of the analysis and comparison of various propagation models for land-mobile systems presented in the IEEE Transactions on Vehicular Technology, Special Issue on Mobile Radio Propagation.

Early on, Dr. Schrenk saw the advantages of bringing the power of modern tools such as computers and databases to the world of telecommunications engineering. He founded COMP COMM in 1975 to serve the needs of the wireless communications business for reliable, cost-effective engineering design work, data and expertise. Since then he has successfully led the company through the many changes of the wireless business – paging, mobile radio, cellular, PCS – yet always staying grounded in the core skills of RF design, modeling and mobile communications. Although no longer active in the day-to-day operations of the company, he stays current on developments in the industry and acts as strategic adviser to the company's senior team.

**Credentials**

B.S., Physics, Indiana University, High Honors  
M.S., Physics, Indiana University  
Ph.D., Theoretical Physics, Indiana University  
M.A., Honorary, University of Pennsylvania

**Professional Affiliations**

Institute of Electrical and Electronics Engineers, Senior Member

## **X Project References**

1. Town of Palm Beach  
360 South County Road  
Palm Beach, FL 33480  
David Jakubiak - Assistant to Town Manager  
561-838-5410
  
2. Village of Wellington  
14000 Greenbriar Boulevard  
Wellington, FL 33414  
Keith Stahley – Deputy Village Manager  
561-791-4000
  
3. City of Spartanburg  
P.O. Drawer 1749  
Spartanburg, SC 29304-1749  
Robert (Bob) Klute – Planning Manager  
864-596-2071
  
4. Henrico County, Virginia  
Parham and Hungary Springs Road  
Department of Planning  
P.O. Box 27032  
Richmond, VA 23273-7032  
John Marlles – Planning Director  
804-501-4484
  
5. Loudoun County, Virginia  
1 Harrison Street, S.E.  
3<sup>rd</sup> Floor  
P.O. Box 7000  
Leesburg, VA 20177  
Pam Bower – Senior Planner  
703-771-5296

We would be pleased to provide the names of clients for a specific type of project.

# The Telecommunications Act of 1996 and Wireless Antenna Siting



Phone companies, cable systems and on-line services are not the only ones affected by the Telecommunications Act of 1996 (the "1996 Act", S.652). Land use boards need to take notice as well: Section 704 of the 1996 Act governs federal, state and local government oversight of siting of "personal wireless service" facilities such as towers for cellular, personal communications service (PCS), and specialized mobile radio (SMR) transmitters. In summary, this law:

## A. Preserves local authority on the placement, construction, and modification of personal wireless service facilities (i.e. zoning decisions on antenna towers, etc.) with the following exceptions:

1. Local authorities can't discriminate among providers of "functionally equivalent" services. For example, if cellular providers already have antennas in the area, additional or new providers of similar services - such as PCS - can't be prohibited, but must be allowed under the same rules that permitted earlier facilities.
2. Local authorities can't reject all wireless communications services (i.e. facilities) completely, nor "have the effect of prohibiting" wireless services, for example by enacting excessively restrictive zoning ordinances.
3. When an appropriate request for authorization of wireless facilities is filed, local authorities must act "within a reasonable period of time".
4. Any rejection of a request for wireless facilities must be in writing and supported by substantial evidence in a written record (e.g. proceedings).
5. Local authorities can't reject a request for wireless facilities based on health concerns if the facilities meet the FCC's regulations concerning radio frequency (RF) emissions. In other words, local rules can't be more stringent than Federal ones. The FCC is required to make new rules regarding RF emissions within 180 days of enactment of the 1996 Act.<sup>1</sup>

The law also provides for review in the courts or by the FCC of any decision by a zoning authority that is inconsistent with Section 704.

### Notes:

- Items (2) and (3) are why the Courts have rejected open-ended moratoria on antenna towers but generally allowed time-limited moratoria as long as the time limit is considered "reasonable".
- Item (5) was recently interpreted (on appeal) in AT&T Wireless PCS vs. City Council of the City of Virginia Beach to mean that health concerns couldn't be the *only* reason for rejecting wireless facilities, but *could* be included as part of the discussion as to why such facilities should be allowed or rejected.<sup>2</sup>

## B. Establishes a timeline for making federal sites available.

Section 704 requires the federal government to "prescribe procedures" within 180 days to help wireless service licensees get access to sites on federal property, easements and rights-of-way for their facilities. The FCC is also directed to "encourage" states to make state property available for wireless facilities.

## C. Defines terms.

"Personal wireless services" include commercial mobile services, unlicensed wireless services, and common carrier wireless exchange access services.

"Commercial mobile services" are defined in Section 332 of the Communications Act and the FCC's rules, and include cellular telephone services (including paging) regulated under Part 22 of the FCC's rules, SMR services regulated under Part 90 of the FCC's rules, and PCS regulated under Part 24 of the FCC's rules.

"Unlicensed wireless services" are defined as the offering of telecommunications services using duly authorized devices which do not require individual licenses; excludes direct-to-home satellite services.

The Telecommunications Act of 1996 in full can be found at: <http://www.fcc.gov/telecom.html>

The FCC Fact Sheets on Wireless Facilities Siting Policies can be found at: <http://www.fcc.gov/wtb/siting/>

These sites and many others on this issue are also contained in the "Related Web Sites" area of COMP COMM's web site at <http://www.compcomminc.com>.

The material on these pages does not constitute legal advice. This information is offered in order to provide a starting point for your further investigation and should not be relied upon as legal advice. You should consult an attorney if you wish to determine your rights and obligations under applicable law.

<sup>1</sup> FCC 96-326, adopted 8/1/96 and RF Safety, ET Docket no. 93-62, released 8/25/97. See <http://www.fcc.gov/oet/dockets/et93-62/>.

<sup>2</sup> U.S. Fourth Circuit Court, No. 97-2389. See <http://www.millervaneaton.com/hottopics/vabeachdecision.html>.



# VILLAGE OF WELLINGTON

## Village Council

Carmine A. Priore, DDS, Mayor  
Paul A. Adams, Vice Mayor  
Mary K. Foster, Councilwoman  
Thomas M. Wenham, Councilman  
Albert P. Paglia, Councilman

Village Manager

Charles H. Lynn

June 19, 1998

CompComm  
One Echelon Plaza, Suite 100  
227 Laurel Road  
Voorhees, NJ 08043-2331

Dear Mr. Sieber:

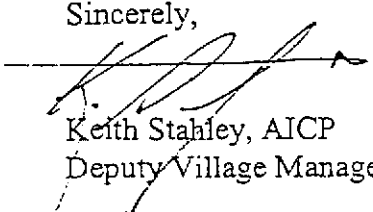
I would like to take this opportunity to thank you for the work that your firm did in the development of the Village of Wellington's Wireless Tower and Antenna Zoning Ordinance and in the resolution of our lease problem with a PCS carrier. I feel that our ordinance will become a model ordinance in the state and your input contributed substantially to the ordinance. I was continually impressed by your professionalism and ability to deliver the required work product in a usable and timely manner.

I was also impressed with your responsiveness and your thorough knowledge of the wireless industry and the technical aspects of wireless communications. I felt that your input gave us information that was critical in the development of our ordinance. It allowed us to be secure that the ordinance that we approved was defensible and provided sufficient opportunities for wireless carriers to site their facilities in the community without impinging upon the residential neighborhoods. The "Real World Propagation" studies that you prepared for us were also invaluable to us as we negotiated alternative sites with our lessee.

I wish you the best of luck in the future and should you and your firm wish to use me as reference please feel free. I have no reservations about providing an enthusiastic recommendation.

Once again, thank you.

Sincerely,

  
Keith Stahley, AICP  
Deputy Village Manager

# The Palmetto Planner

Volume 20, Number 2

JUNE 1999

## New Cell Tower Ordinance for the City of Spartanburg

by Bob Klute

The City Council of Spartanburg recently approved a telecommunications ordinance designed to encourage the use of existing towers as co-location sites while restricting the construction of new towers. In summary, the new ordinance provides for a three-step approval process: (1) making co-locations easiest (they can be approved administratively if they are on an existing tower or structure); (2) existing towers may be reconstructed up to the height limit in the Zoning Ordinance, or new towers may be constructed within the footprints of existing towers (again, these may be approved administratively); and (3) new towers may be approved administratively on one of a list of recommended potential sites

These potential sites were developed as a result of a siting study, which the City commissioned from a consultant, COMP COMM, Inc. The siting study identified the extent of coverage possible from existing towers and further identified areas of the City where coverage would need to be improved in order to be compliant with the Federal Telecommunications Act of 1996. These areas are where the City can expect applications in the near future for new tower construction. The siting study mirrored the process which telecommunications companies use to design a system to provide good coverage for their subscribers. The list of potential sites was designed to provide pre-

selected sites approved by the City Council, which would minimize the impact of new towers while providing adequate coverage for the companies.

If an applicant believes that the three options above still do not meet their needs, then the new ordinance provides for evaluation of alternate sites, with review by a consultant retained by the City of an applicant's specific requirements. If the City determines as a result of this review that the three options will not provide adequate coverage, then the ordinance provides for special exception approval of a new tower using the following criteria: towers are prohibited in the historic district; towers must be stealth towers in residential (R-6 through R-15), office and institutional (O&I), limited commercial (LC) and neighborhood commercial (B-1) and downtown commercial (B-2) districts; towers must be set back at least their own height from the property lines of residential and historic districts, any property which contains a public gathering place such as a school, church, children's center, hospital, etc., and any public right of way. Towers are not required to be stealth towers in the medium and heavy commercial (B-3, B-4) and industrial district (I-1, I-2) and may be set back the normal building setbacks from the property lines of these districts. They may also be approved administratively. All new towers are also required to provide for three additional co-locations and for two

additional co-locations if they are stealth towers.

The city's consultant was an active partner in the development of this new ordinance, particularly the three-step review process. Additionally, local representatives of telecommunications companies provided excellent information about the parameters of their business needs. The possibility of co-locating on existing Duke Power transmission line towers was discussed during the ordinance development process. Duke Power responded enthusiastically to this idea, this possibility is strongly encouraged in the new ordinance and at least one telecommunication company has been exploring with Duke Power the use of their towers.

The City's intention during the process of developing this ordinance was not to prohibit telecommunication towers within the City, but to encourage the use of existing facilities and reduce the need for new tower construction. Since the ordinance has been approved, the City has received one application, a request for a co-location on an existing tower. This was processed and approved administratively. Of course, time will tell whether the new ordinance will achieve the goals stated above. For additional information on this ordinance, please contact Bob Klute, Planning Manager for the city of Spartanburg at 864-596-2071.

# Business

Voorhees firm meets growing need

## Offering advice on cell towers



BY MARG HOPKINS

CompComm CEO Christine A. Malone and President Rick Reimann confer near a cellular phone tower in Voorhees. Their firm advises municipalities on the placement of towers for cellular phone service.

## CompComm interprets jargon, guides officials

By **MARG HOPKINS**  
 Courier-Post Staff

### VOORHEES

These days, everyone wants a phone in hand, but few want a communications tower in the back yard.

But the demand for wireless communications has created the need for towers. As service providers look to municipalities for more tower sites, town planners are often confused by technical presentations on placement.

That has led a Voorhees-based

### CompComm

- Address: 227 Laurel Road, Voorhees.
- Business: Consulting municipalities on wireless communications issues.
- Employees: 11.
- Web site: [www.compcomm.com](http://www.compcomm.com).
- Parent company stock: The company is privately held.



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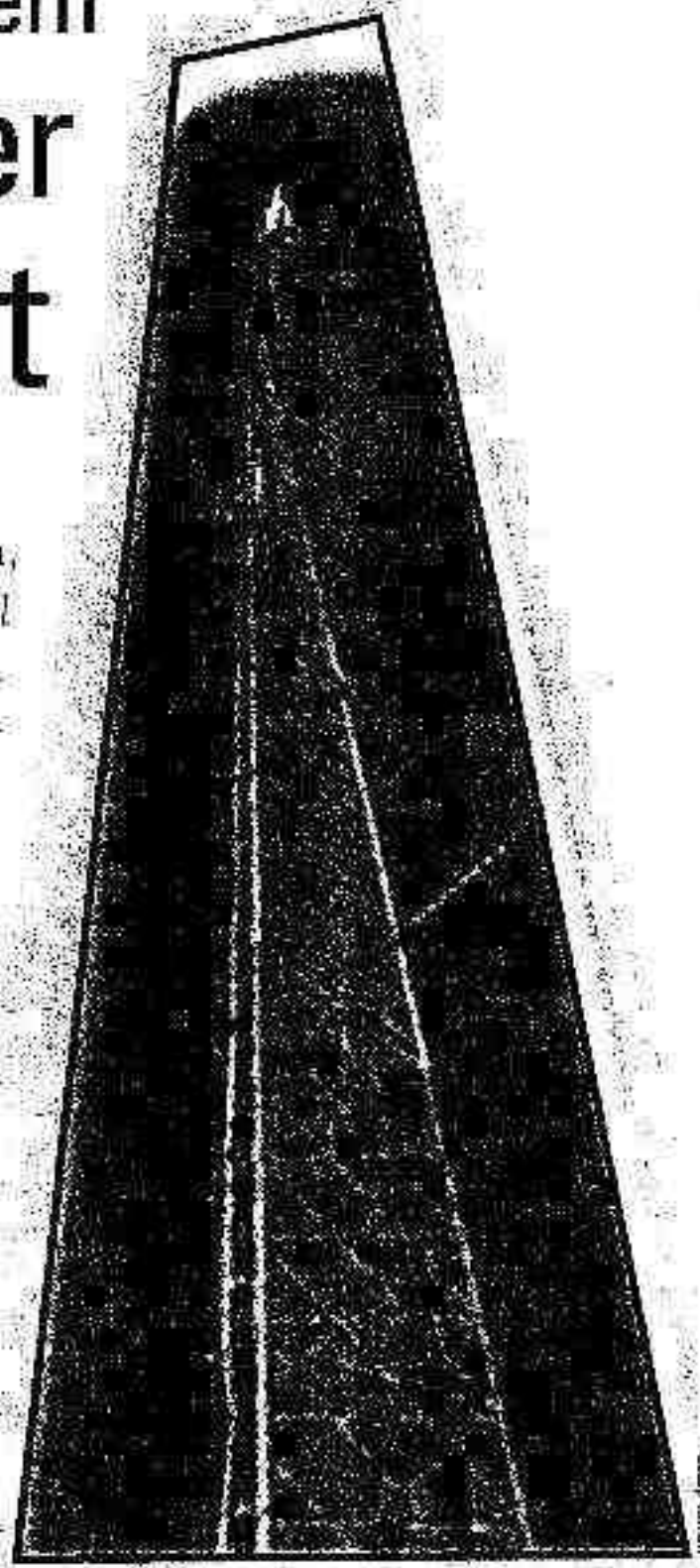
# Solving the problem of cell tower placement

*With cellular service at an all-time high, companies are looking to locate cell towers throughout urban and suburban areas. Cities are restricting zoning to protect their residents' interests.*

**By Christina Couret**  
 Assistant Editor

It is a common sight in major metropolitan areas: drivers sitting in traffic with a cellular phone in one hand and the steering wheel in the other. As they travel through city streets and on highways, they conduct business, check in with the spouses and children, and make dinner reservations. They are able to accomplish so much from a jamming vehicle because of the cellular services that, for many city landscapes, threaten to overwhelm municipalities.

As demands for wireless communication services have risen in recent years, providers are doing anything and everything to guarantee that service to paying customers. In their zeal to increase their business, some companies have trampled their host cities' zoning ordi-



Shawn Gunn

naances and even violated the Telecommunications Act of 1996 (TA), which guarantees the rights of local governments in tower siting disputes. As a result, cities and counties are increasing their available land, enacting cellular-specific ordinances, fighting companies in court (and sometimes losing), and finding ways to compromise.

### CELLULAR GROWTH

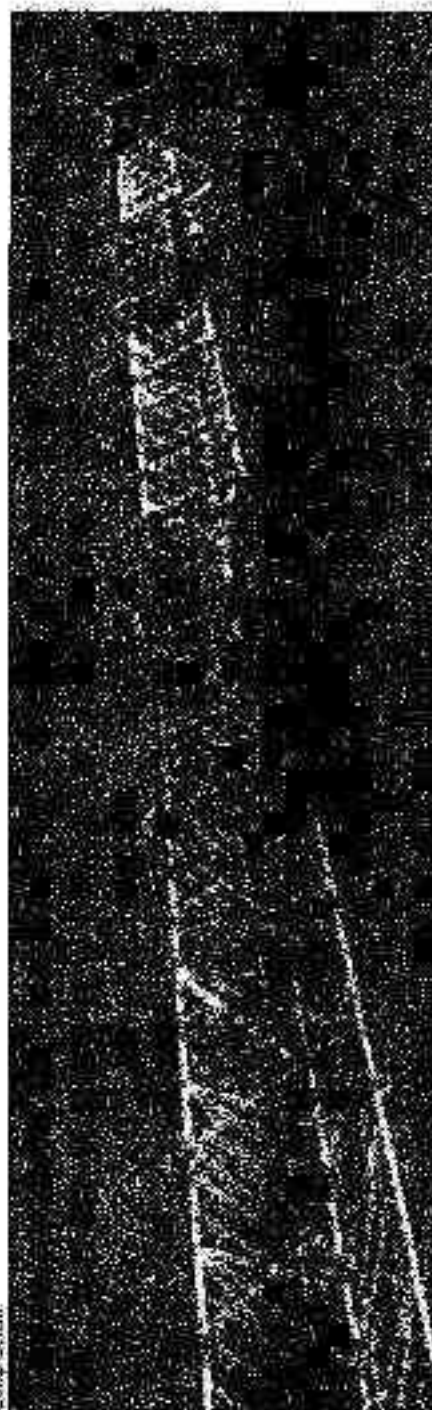
According to the Cellular Telecommunications Industry Association (CTIA), Washington, D.C., cellular service subscribers totaled 66 million in 1998, up from 48 million in 1997. Safety is a primary reason why people subscribe; there were 95,000 calls made to 911 each day from mobile phones in 1998.

As demand increases and services become cheaper, the number of users — and the number of antennae — will continue to grow. "People want these services, and that is determining not only that there is growth, but where the growth is," says Christine Malone, CEO of Vantage, N.J.-based ComptComm, a wireless communications consultant. "It used to be that cell phones were the yuppie thing, but it's really becoming a much more ubiquitous product. Everybody's got a cell phone now — small business owners, plumbers, parents."

In order to provide continuous service to mobile customers, providers must install the necessary transmitter antennae. Each transmitter covers an area known as a "cell." As the customer travels throughout different cells, the signal bounces from one antenna to the next.

In urban areas, there is no shortage of tall structures — such as office buildings or highway overpasses — on which to place antennae. (Height requirements vary from 30 feet to 300 feet or more.) However, in suburban and rural areas, the number of tall structures diminishes, creating a need to build towers on which to place the antennae.

Most cities have zoning ordinances that address building or structural height limitations, setback requirements and divisions between commercial and residential areas. Since cellular towers are still relatively new, however, existing zoning ordinances



Many communities have determined that placing cell towers in residential settings can threaten property values.

may not specifically address them, seemingly providing a window through which companies sneak in tower or antenna construction.

In Upper Dublin Township, Pa., for example, residents got an unwanted antenna directly adjacent to a neighborhood because of unclear zoning. Shortly after the passage of the TA, the township's board of commissioners adopted an ordinance that restricted antenna siting to pre-existing tall

structures in residential areas. It also required companies to place antennae at the minimum height necessary to provide service, but it did not address setbacks. Seeking to place an antenna, the company chose a water tower, located 30 feet from residential property lines, as its location.

According to Commissioner Jules Mennelstein, the water tower already was a source of displeasure to the residents because it was situated so close to their homes. The city code enforcement officer approved the antenna permit. Further upsetting local residents, the neighborhood appealed the permit decision at a Zoning Hearing Board in February 1995, but the board ruled in favor of the company.

"We're stuck with it," Mennelstein says. "But we won't get any more towers." Shortly after the residents lost the appeal, the board of commissioners approved a tighter ordinance, which prohibits the location of cell sites within 500 feet of any residentially zoned property.

### THE 'NIMBY' FACTOR

Concern for property values is one factor driving the establishment of the ordinances. Setback requirements prevent residents from having cellular towers in their backyards, or even in their line of sight. The ordinances may protect residents' interests, but enacting those ordinances actually conflicts with the demand for cellular service.

The conflict results in a "not in my backyard" situation, says John Sieber, vice president of engineering for ComptComm. "They're demanding the services, but they don't want the means to deliver the services," he says. "The issue that gets communities upset is aesthetics. There's a lot of concern about property values."

In 1994, a couple in Banker Hill Village, Texas, filed suit against the city for allowing construction of a 133-foot cellular tower 12 feet from their backyard fence. Although the tower, built on city property, was approved by city officials, the couple argued that their home had depreciated in value by 10 percent since its arrival. They also claimed a loss of privacy because employees climbed the tower for regular maintenance.

In October 1998, the city settled its portion of the suit with the couple. Earlier this year, a jury ordered the company that owned the tower to pay \$1.2 million to the couple.

Residents and officials also are concerned about possible negative health effects caused by radiation emissions from the towers. The Federal Communications Commission has set stan-

dards for emissions, and the TA requires that cellular towers meet those standards. However, some residents say that is not good enough.

In 1997, a group of concerned residents in Boca Raton, Fla., united as Families Against Cell Towers (FACT) to protest the installation of a cellular tower on a school property. They claimed that there is not enough

evidence to prove that the emissions are safe for children.

Most studies are conducted on adult males, whose body weights differ vastly from those of third-graders, FACT notes. "It is our belief that the key issue is not proving irrevocably that the cell towers are dangerous, which we believe they are, but instead showing that significant health ques-

## GOVERNMENT TECHNOLOGY

# County automates benefits program

Jefferson County, Ala., with 4,000 employees, spends a lot of time on paperwork but has improved its operations this year with electronic processing. With the help of OCS TrexCom, based in Norcross, Ga., the county's Risk Management Office has set up a web-enabled interactive voice response (IVR) system for benefits enrollment. The system eases the difficulty encountered with the previous paper-based system.

Prior to automating enrollment, the county tried many different approaches to get employees signed up

for benefits. First, human resources workers visited the different county offices, spread over 1,100 square miles, to explain the benefits and fill out paperwork. Then the county decided to make Tuesdays the processing days, whereby all new employees went downtown to the main office to sign up.

The first method was "a nightmare," says County Risk Manager Rob Burnett. The second was hampered by parking difficulties and time constraints. "Employees had to make decisions privately, and they didn't get to talk to their families," Burnett says.

Employees can now access benefits information via the Internet, the county's Intranet or telephone 24 hours a day. New employees can sign up for health, dental, life and flexible benefits programs, while current employees enter social security and personal identification numbers to access benefits information or make changes to their plans during open enrollment periods.

"We're just trying to make it easier for our employees to take advantage of benefits," Burnett says. "This system gives them more time to study the benefits, and it's easier to enroll or disenroll."

The employees are communicating with live data, notes Margaret Howard, senior systems programmer for the county. "Normally, people locked information on a database and then merge information. We access the mainframe directly from the IVR or the Web. If something changes in the records, it's instant so employees can turn right around and review it," she says.

The system can handle up to 12 calls at one time, and the county can add more lines if that becomes necessary. The county can't roll back when it added the system, and employees can still speak to a human resources employee if they have questions or problems with their benefits.

—Christina Conner

## Health Plan Enrollment



Jefferson County, Alabama

Select or decline coverage:

Elect Coverage

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Choose Your Dental Insurance Carrier	Dental Insurance Coverage Type
<input checked="" type="radio"/> Fidelity (Traditional)	<input checked="" type="radio"/> Single coverage
<input type="radio"/> DeltaCare (Dental HMO)	<input type="radio"/> Single plus vision coverage
	<input type="radio"/> Family coverage

Enter your Social Security number: \_\_\_\_\_

Do you or anyone to be covered have other dental insurance?  Yes  No

Do you want the premium to be a pre-tax deduction (401-K)?  Yes  No

Select

Jefferson County Health Insurance System (a subsidiary of Jefferson County). All other products mentioned are registered trademarks or trademarks of their respective companies.

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Jefferson County, Ala., employees can sign up for and review benefits via a secure Internet site 24 hours a day.

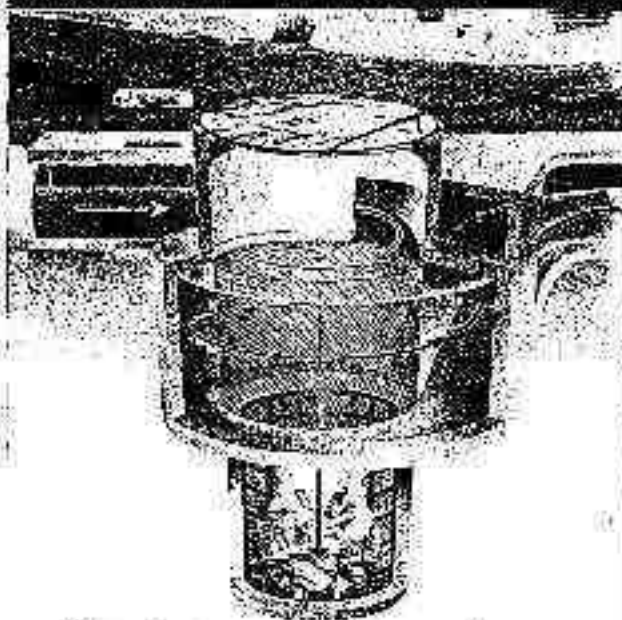
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tions and concerns are being raised across the United States, and we need to protect our children and halt the cell tower's construction until we know more," said NACT spokesperson Jerry Brown on a local web site.

### FIGHTING THE GOOD FIGHT

Other than fighting companies after the fact, city and county officials can prevent cellular towers from invading their neighborhoods through proper planning and zoning, education and communication. They also can find ways to compromise with the service providers.

The TA is one of the best weapons in the tower-siting fight, according to Bob Fogel with the National Association of Counties, Washington, D.C. Based on input from NACo and others, the TA preserves local authority on the placement, construction and modification of personal wireless service facilities, with some limitations:

- Local authorities cannot discriminate among providers of "functionally equivalent" services. For example, if one company builds a 50-foot tower and another company wants to build an identical tower, the city would have to allow it, Fogel says.

- Local authorities cannot prohibit or have the effect of prohibiting wireless services. They must find a means to allow the services to continue, but they can require alternatives to towers.

- When requests for permits or authorizations are filed by companies, local authorities must act "within a reasonable period of time."

- Any rejection of a request must be in writing and must be supported by substantial evidence in a written record.

- Local authorities cannot reject a request for service based exclusively on health concerns, provided that the facilities meet FCC standards for emissions.

In addition to facilitating themselves with the TA, local governments need to revise or create ordinances that deal specifically with cellular towers, according to Mermelstein. As he learned, if the ordinance does not include enough details, cities can get stuck with towers they do not want. "Municipalities that don't have a cellular ordinance should quickly get

one," he says. "Make it as tight an ordinance as the city council will allow."

However, local governments do not have to rush through the ordinance-drafting process. For example, when Spartanburg, S.C., started receiving cellular applications in 1993, the city council instructed a moratorium to give officials time to review the situation and make plans.

"As we got into the issue, we realized we didn't have a clear understanding of city locations," says City Planning Manager Bob Klute. The city commissioned a string study to identify properties with existing communications equipment, and potential sites for cellular devices. Officials also investigated cellular service requirements.

In April, the city approved a new ordinance that includes setback requirements for towers with relation to residential areas. "The ordinance was designed not to prohibit, but to restrict," Klute says. "So far, it has worked the way we want it to."

The city also encourages "back-



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September 1999

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tion," whereby multiple providers share a single tower by placing several antennae on it. Providers also can collocate on existing power lines.

### NEGATIVE IMPACTS

Even with careful planning and zoning ordinances, cities are not immune to problems resulting from cellular tower construction. As the lawsuit in Bunker Hill Village illustrates, residents can and will take action against cities that approve towers without first doing some community outreach.

In Wellington, Fla., officials learned that lesson the hard way.

According to former Deputy Village Manager Keith Stahley, in 1996, officials approved the construction of a tower on village-owned property near a residential area, but they did not communicate with the residents beforehand.

"When the tower went up, residents literally went ballistic," Stahley says. "Our mistake was not having a public hearing and not notifying the residents. We looked at it as a monetary opportunity and didn't look at the negative impact."

To avoid potential suits from residents, Wellington instead found a new site at a nearby polo stadium.

Furthermore, the city is paying for the relocation of the tower.

"It is a financial burden we are willing to bear," Stahley says. "The tower was completely unacceptable to our residents."

The relocation will be completed by this fall. The refurbished tower will be disguised as a 175-foot flagpole.

### COMPROMISES

When providers are determined to erect towers and cities oppose them, compromising through stealth techniques or financing deals can make everyone happy. Stealth, or camouflage, techniques include disguising

## GOVERNMENT TECHNOLOGY

# Simulator highlights downtown redevelopment

When Sunnyvale, Calif., began a major redevelopment project downtown, the typical architectural rendering just would not do. Instead, planners used a three-dimensional simulation to show city officials and the public what the project would look like. The city of Sunnyvale, under the leadership of Mayor Richard B. Berman, is using a 3D simulation to help the public understand and support the redevelopment project.

One of the main goals of the project is to create a vibrant downtown area that includes a shopping center, a hotel, a new office building, a parking garage, and a new library. The project is being developed by the City of Sunnyvale and the City of Santa Clara.

ultimate success and virtual reality. It would also allow a developer to test a design with a virtual camera and a virtual camera.

The goal of the simulation is to help city officials and the public understand and support the redevelopment project. The model is being used to help city officials and the public understand and support the redevelopment project.

The 3D simulation is being used to help city officials and the public understand and support the redevelopment project. The model is being used to help city officials and the public understand and support the redevelopment project.

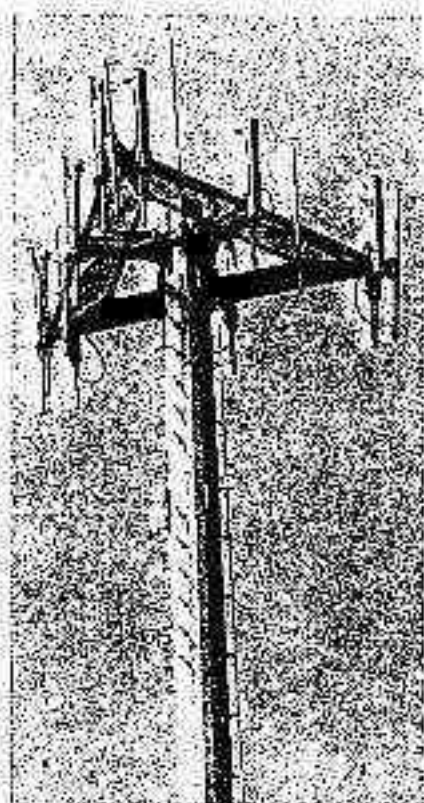
City officials and the public are using the 3D simulation to help understand and support the redevelopment project. The model is being used to help city officials and the public understand and support the redevelopment project.

The 3D simulation is being used to help city officials and the public understand and support the redevelopment project. The model is being used to help city officials and the public understand and support the redevelopment project.

Construction is scheduled to begin next spring. The first phase is expected to be completed in late 2000.



Sunnyvale, Calif., designed plans for a downtown revitalization project using three-dimensional simulation. Users can view the model from ground level or overhead.



Co-location: Placing multiple antennas on one cellular tower eliminates the need for companies to erect more than one tower in the same area.

the cell towers or hiding them from view. For example, in Pittsford, N.Y., a predominantly rural area, a cellular company leased space from a local farmer and placed its tower inside a fake silo.

While residents and companies can make money by leasing land or rooftop space to hungry companies, cities and counties can benefit financially as well. Palm Beach, Fla., will earn \$1,800 per month for allowing AT&T to place a steerable antenna on the roof of Town Hall, according to David Jakubick, assistant to the town manager.

The city has been working with service providers to create ways for them to do their business. In 1997, the city sent surveys to each of the different providers to get information about their service requirements. The city also reviewed all commercial and business properties to determine sites for antennas. Town Hall was a logical place to start, Jakubick says. (Towers are not permitted in residential areas.)

"We've been pretty successful because we've been able to prevent

towers and generate revenue," he says. Since the city started working on cellular planning and permitting, other communities have called Palm Beach for assistance, he adds.

Cellular towers will not be going away anytime soon. In fact, CTIA has estimated that the nation will have 100,000 towers by 2000, up from 58,000 in mid-1998. The TA can help guide locals through planning and approving towers, but ultimately, local zoning ordinances and city officials make the final decisions on permits and location.

"Cities need to plan, plan, plan," Malone says. "They may have to allow companies to put up antennas, but they are not required to let them do it in the cheapest possible way."

By researching cellular service—including tower alternatives, local governments can ensure that they comply with the TA while protecting residents from unsightly installations and potential health risks. Planning also can help preserve property values and, at the same time, create revenue sources. □

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**STATEMENT OF QUALIFICATIONS  
FOR  
OCONEE COUNTY  
OCONEE, SOUTH CAROLINA**

**OCTOBER 1999**

**DESIGN SOUTH PROFESSIONALS, INC.**  
*Engineers-Architects-Planners*  
2120 Greenville Street  
P. O. Box 5887  
Anderson, South Carolina 29623  
Telephone (803) 226-6111





**DESIGN SOUTH  
PROFESSIONALS, INC.**

engineers architects planners

October 15, 1999

Ms. Marianne Dillard  
Oconee County Purchasing Department  
Oconee County  
415 South Pine Street  
Walhalla, South Carolina 29691

Re: ***Statement of Qualifications  
Comprehensive Engineering Services***

Dear Ms. Dillard:

Design South is pleased to respond to Oconee County's request for qualifications regarding wireless telecommunications infrastructure planning and wireless communications systems. We appreciate this opportunity to formally present our record of performance.

***We have enclosed our corporate qualifications, representative project profiles, and professional profiles of our team for your consideration.*** We trust that you will conclude that Design South has the project experience, technical insight, and planning skills to meet your ongoing project needs in a timely and effective manner. Based upon our geographical, experiential and professional strengths, we believe that our team is uniquely qualified to provide your engineering and technical services.

***We have a proven track record of performance.*** Our Design South team has successfully completed numerous telecommunications projects throughout South Carolina and Georgia. We have experience in developing and implementing wireless communications, fiber cabling, copper cabling, digital switching, and GPS/GIS mapping platforms for multiple clients throughout our history of telecommunications consulting. Moreover, numerous telephone companies have benefited from our in-house architectural services through its assistance with central office and POP building construction and renovation.

***We have the telecommunications expertise you are seeking.*** Our Design South team can carry your wireless communications, mapping, and infrastructure plans from conception to construction. Our telecommunications department includes three registered professional engineers, two engineers-in-training, resident engineering technicians, as well as field and CAD technicians. Design South Professionals has the technical staff to support Oconee County with a broad array of services, including civil and architectural support.

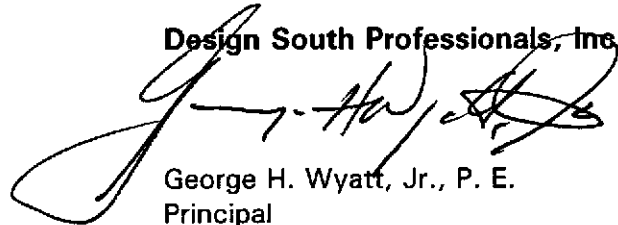
Ms. Marianne Dillard  
Oconee County

October 15, 1999  
Page 2

Design South has been providing design solutions to the telecommunications community and municipalities for over 45 years. Our professional team is value focused, performance driven, and achievement oriented. Again, we thank you for the opportunity to present our Statement of Qualifications. If additional information is desired, please do not hesitate to contact us.

Sincerely yours,

**Design South Professionals, Inc.**



George H. Wyatt, Jr., P. E.  
Principal

GHW:blb  
Enclosures



## PROFESSIONAL HISTORY

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### *Design South Professionals, Inc.*

The firm of Design South Professionals, Inc. is an employee owned and operated firm located in Anderson at 2120 Greenville Street. Design South Professionals, Inc. was incorporated in 1989; however, our office and professional staff, under two different parent companies, have been providing consulting services in engineering, planning, architecture and telecommunications throughout South Carolina and Northeast Georgia since 1950. From 1950 until 1974, we operated under the name of Robinson Engineering Service. After the death of Mr. D. Hunter Robinson, our Anderson office was acquired by Russell & Axon, Inc. under whose corporate banner we operated through September 1989. On October 1, 1989, the Anderson employees formed Design South Professionals, Inc. with a staff of 22 people.

Design South offers a broad range of professional engineering and architectural services including preliminary investigations, reports, studies, final design drawings and specifications, bidding, negotiating and construction administration services.

We have an outstanding record of continuing growth, of expansion of services offered, and of providing quality services to our clients. The growth and reputation of the firm are the direct outcome of individual efforts and close cooperation by all of our associates. Our professional staff of 68 includes 12 professional engineers, 1 registered architect, 3 engineers-in-training, 4 architectural interns and 2 scientists. The experience of our design professionals ranges from 6 years to 29 years with an average of over 20 years.



## PROFESSIONAL BACKGROUND

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*Design South Professionals, Inc.*

- We are a full-service, multi-disciplined firm providing professional services in the fields of planning, engineering, and architecture.
- We have been providing design solutions to the Upstate community for more than 45 years.
- We have a proven track record of professional performance through our involvement in the telecommunications systems and facilities, design and engineering of public buildings, schools, water and wastewater treatment facilities, and industrial plants.
- When a project warrants additional expertise, we continue to have the good fortune of attracting the best, highly specialized professionals as our consultants.
- We take an active role in the welfare of the Upstate through our civic, school, community, and church activities as both professionals and individuals.
- We contribute over \$4 million annually to the Upstate's economy through employee salaries and benefits; payment of rents, utilities, taxes and licenses; purchases of local goods and services; and charitable and civic support.
- We are an employee-owned firm, solidifying our goal to provide quality workmanship.
- We will seek cost effective and timely solutions to your project needs.
- We consistently meet project quality, schedule and value objectives.
- We can proceed immediately with your project.



# CORPORATE QUALIFICATIONS

*Firm Overview*

*Design South Professionals, Inc.*

## PRINCIPALS OF THE FIRM

Robert C. Palmer, Jr.  
Charles M. Joye, II  
Thaddeus R. Arnold, Jr.  
James B. Broyles  
George H. Wyatt, Jr.

## REGISTRATION STATUS

Professional Engineers - SC, NC, GA  
Professional Architect - SC, GA  
Professional Land Surveyors - SC, NC, GA

## PROFESSIONAL AFFILIATIONS

Consulting Engineers of South Carolina  
American Consulting Engineers Council  
American Society of Civil Engineers  
National Society of Professional Engineers  
American Arbitration Association  
South Carolina Telephone Association  
United States Independent Telephone Association  
Association of Communications Engineers  
American Institute of Architects (AIA)  
National Council of Architectural Registration Boards (NCARB)

## HONORS AND AWARDS

1996 Engineering Excellence Award - CESC  
1995 Roofing and Architectural Award - American Buildings  
1994 Engineering Excellence Award - CESC  
1993 Renovations of the Year Award - Metal Architecture  
1988 Engineering Excellence Award - CESC



**PROFESSIONAL AND CIVIC INVOLVEMENT**

Rotary Clubs of Anderson  
Kiwanis of America  
Boy Scouts – Blue Ridge Council  
YMCA of Anderson  
Greater Anderson Musical Arts Consortium  
Foothills United Way  
Chamber of Commerce  
Anderson County Business & Education Partnership  
Hanna-Westside Business & Industry Advisory Council  
Anderson Roadrunners



# PROJECT PROFILE

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*Design South Professionals, Inc.*

**Project:** *Telephone System Strategic Planning, Improvements and Additions Switching and Fiber Optic Cabling*

**Client:** **West Carolina Rural Telephone Cooperative, Inc.**  
Highway 28 Bypass  
P. O. Box 610  
Abbeville, South Carolina 29620

**Client**

**Contact:** David J. Herron, General Manager  
West Carolina Rural Telephone Cooperative, Inc.  
(864) 446-2111

**Scope:** Our staff has provided consulting engineering services for this client on a continuing basis since 1957.

Five REA loan applications for facilities improvements have been submitted; the latest submitted in 1993 for \$15,000,000.

Design projects have included upgrading the system from ten-party service on open wire plant and step switching to all single-party service. Planning, design, development of plans and specifications and acceptance testing for seven digital switches and an access tandem with fiber optic feeders and buried filled copper distribution cable are ongoing. The system also provides Equal Access, CLASS, SS7, ISDN and E800 services.

The current REA loan has extended fiber optic technology to serving areas of less than 12 kilofeet. This has eliminated loading and facilitating fiber placement close to the customer premise.

**Project Cost:** Prior projects constitute an investment of approximately \$14,000,000.

**Project Completion:** Ongoing client relationship



# PROJECT PROFILE

---

*Design South Professionals, Inc.*

**Project:** Telephone System Strategic Planning, Improvements and Additions  
Switching and Fiber Optic Cabling

**Client:** Chesnee Telephone Company, Inc.  
208 Alabama Avenue  
P. O. Box 430  
Chesnee, South Carolina 29323

**Client Contact:** Mr. Curt Lancaster, Plant Manager  
Chesnee Telephone Company, Inc.  
(864) 461-2211

**Scope:** Our staff has provided professional engineering services for this client on a continuing basis since 1966. During this period, switching design has included electromechanical, analog electronic and digital equipment upgrades. The current system features Equal Access, E800, SS7, CLASS and Voice Mail capabilities.

Fiber optic electronics, utilizing the OC-12 transmission rate, are being placed in eight remote locations in the service area to extend benefits of fiber technology to within a 12-kilofoot range of all subscribers. Fiber cabling to the remote facilities incorporates self-healing ring technology. Additional outside plant improvements include replacing all air-core copper distribution cable with filled cable.

**Project Cost:** Prior projects constitute an investment of approximately \$12,000,000.

**Project Completion:** Ongoing client relationship; OC-12 fiber ring completed February 1997; 550/750 MHz CATV project substantial complete by June 1997





# PROJECT PROFILE

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*Design South Professionals, Inc.*

***Project:*** Telephone System Strategic Planning, Improvements and Additions  
Switching and Fiber Optic Cabling

***Client:*** Piedmont Rural Telephone Cooperative, Inc.  
201 Anderson Avenue  
P. O. Box 249  
Laurens, South Carolina 29360

***Client Contact:*** James P. Wilder, General Manager  
Piedmont Rural Telephone Cooperative, Inc.  
(864) 682-3131

***Scope:*** Our staff has provided professional engineering services for this client on a continuing basis since 1982. During this period, the electromechanical switching in the six exchanges has been replaced with digital switching. All aircore feeder and distribution cable facilities have been replaced with filled cable and fiber facilities have been installed on all interexchange routes.

Design South is presently implementing a long-range plan (including records management along with fiber optic cable extension, self-healing fiber optic ring technology and remote serving area concepts), computerized mapping and plant records. An REA loan application was submitted for funding these improvements.

***Project Cost:*** Prior projects constitute an investment of approximately \$10,000,000.

***Project Completion:*** Ongoing client relationship



# PROJECT PROFILE

---

*Design South Professionals, Inc.*

***Project:*** Fiber Optic Cabling and Associated Facilities in  
South Carolina and Georgia

***Client:*** PalmettoNet, Inc.  
P. O. Box 470  
Rock Hill, South Carolina 29730

***Client Contact:*** Terry Metze, General Manager  
PalmettoNet, Inc.  
(803) 329-7905

***Scope:*** Design South has provided professional engineering services for this client since 1991. This includes site selection for buildings and fiber optic facilities, planning, design, staking, development of plans and specifications, contractor selection, construction surveillance, and acceptance testing of fiber routes from: Due West to Anderson, South Carolina; Anderson to Clemson, South Carolina; Union to Cross Anchor, South Carolina; Cross Anchor to Due West, South Carolina; and Westminster to the Georgia/South Carolina border.

Current projects include assistance with fiber access to Savannah, Georgia, via directional bore of the Savannah River.

***Project Cost:*** \$6,000,000

***Project Completion:*** Ongoing client relationship



# PROJECT PROFILE

---

*Design South Professionals, Inc.*

***Project:*** Fiber Optic Cabling and Associated Facilities in  
Augusta, Georgia, and Savannah, Georgia

***Client:*** US Carrier Telecom, L.L.C.  
4931 Mercer University Drive, Suite C  
Macon, Georgia 31210

***Client  
Contact:*** Jeff Bell  
General Manager  
US Carrier Telecom, L.L.C.  
(770) 988-2902

Jerry Neal  
Manager of Network Operations and Development  
US Carrier Telecom, L.L.C.  
(912) 474-0088

***Scope:*** Design South provided coordination between involved Telcos (including PalmettoNet) in route planning, meet-point infrastructure and POP access. Also included in this project was obtaining city franchise agreements and the preliminary permitting with numerous entities including railroads, DOT, the City of Savannah, etc. Additional services included developing plans and specifications, facilitating with contractor selection via negotiations, providing construction surveillance, payment certificate review and record drawings of the completed project.

***Project Cost:*** \$1,300,000

***Project Completion:*** September 1999



# PROJECT PROFILE

---

*Design South Professionals, Inc.*

***Project:*** Hargray Meet-Point to Savannah, Georgia, POP  
Savannah, Georgia

***Client:*** PalmettoNet, Inc.  
P. O. Box 470  
Rock Hill, South Carolina 29730

***Client Contact:*** Terry Metze  
General Manager  
PalmettoNet, Inc.  
(803) 329-7905

Pete Steele  
Operations & Engineering Director  
PalmettoNet, Inc.  
(803) 407-7745

***Scope:*** Design South provided coordination between involved Telcos (including BellSouth, Hargray and PalmettoNet) in route planning, meet-point infrastructure and POP access. Also included in this project was obtaining city franchise agreements and the preliminary permitting with numerous entities including railroads, DOT, the City of Savannah, private rights of way, etc. Additional services included developing plans and specifications, facilitating with contractor selection via negotiations, providing construction surveillance, payment certificate review and record drawings of the completed project.

***Project Cost:*** \$800,000

***Project Completion:*** September 1999



# REPRESENTATIVE PROJECTS

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*Design South Professionals, Inc.*

## ARCHITECTURAL SERVICES - TELECOMMUNICATIONS

- **CHESNEE TELEPHONE COMPANY, INC.**  
Provided design, plans and specifications for commercial office, work center and central office facilities.
- **HART TELEPHONE COMPANY, INC.**  
Provided design, plans and specifications for commercial office, retail phone store and central office facilities.
- **WEST CAROLINA RURAL TELEPHONE COOPERATIVE, INC.**  
Provided design, plans and specifications for commercial office, work center and seven central office facilities.
- **PALMETTONET, INC.**  
Provided design and construction management of Anderson, South Carolina, POP relocation. Also provided construction management and utilities coordination services for POP locations in Yemassee and St. George, South Carolina.
- **PIEDMONT RURAL TELEPHONE COOPERATIVE, INC.**  
Provided design, plans and specifications for commercial office work center and five central office facilities.
- **PALMETTO RURAL TELEPHONE COOPERATIVE, INC.**  
Provided design, plans and specifications for commercial office and five central office facilities.
- **POND BRANCH TELEPHONE COMPANY, INC.**  
Provided design, plans and specifications for commercial office addition and facilities re-roofing.

## UNDERGROUND CONDUIT SYSTEMS

Provided design, staking, plans and specifications and construction surveillance services for the following clients:

- **CHESNEE TELEPHONE COMPANY, INC.**
- **HART TELEPHONE COMPANY, INC.**
- **PALMETTO RURAL TELEPHONE COOPERATIVE, INC.**
- **PIEDMONT RURAL TELEPHONE COOPERATIVE, INC.**



# REPRESENTATIVE PROJECTS

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*Design South Professionals, Inc.*

*Page 2*

- SOUTHERN BELL TELEPHONE
- UNITED TELEPHONE COMPANY, INC.
- USMC, MARINE AIR STATION, BEAUFORT, SOUTH CAROLINA
- USN, KINGS BAY NAVAL BASE, ST. MARY'S, GEORGIA
- USN, MAYPORT NAVAL BASE, JACKSONVILLE, FLORIDA

## OUTSIDE PLANT

Design South has provided design, long range planning, staking, bidding, construction surveillance, and acceptance testing services for over 5000 miles of plant additions including several hundred miles of fiber optic cabling.

## CENTRAL OFFICE EQUIPMENT

Performed numerous facilities planning sessions, switching system upgrades and changeouts during the 45+ years of practice. Current switching platforms include a base of nine Nortel DMS-10 offices and a DMS 500 Supernode.

## CABLE TELEVISION

Provided feasibility studies, design, strand mapping, staking, bidding, construction surveillance, cutover, acceptance testing, headend equipment and fiber electronics applications for the following clients:

- TRIANGLE CABLE COMMUNICATIONS (Bowman, South Carolina)
- \* CHESNEE TELEPHONE COMPANY, INC.
- CABLE-SYNERGY, INC. (Anderson County, South Carolina)
- \* POND BRANCH TELEPHONE COMPANY
- \* HORRY TELEPHONE COOPERATIVE, INC.
- HART COMMUNICATIONS (Hartwell, Georgia)

\* Indicates design of electronics and/or feasibility studies



# REPRESENTATIVE PROJECTS

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*Design South Professionals, Inc.*

*Page 3*

## GIS/MAPPING SERVICES

- PLANTERS TELEPHONE COOPERATIVE, INC. - CableCad
- BULLOCH TELEPHONE COOPERATIVE, INC. - CableCad
- CHESNEE TELEPHONE COMPANY, INC. - AutoCAD/dBase
- POND BRANCH TELEPHONE COMPANY - AutoCAD
- PIEDMONT RURAL TELEPHONE COOPERATIVE, INC. - CableCad
- HART TELEPHONE COMPANY - AutoCAD
- CONCORD TELEPHONE COMPANY - Intergraph FRAMME
- WEST CAROLINA RURAL TELEPHONE COOPERATIVE, INC. - Intergraph FRAMME
- CITY OF ANDERSON - ESRI/ARCAD

## WIRELESS COMMUNICATIONS SERVICES

- IMTS Radio for Telephone Companies
  - CHESNEE TELEPHONE COMPANY, INC.
  - WEST CAROLINA RURAL TELEPHONE COOPERATIVE, INC.
- Cellular 800 MHz Implementations
  - CHESNEE TELEPHONE COMPANY, INC.
  - WEST CAROLINA RURAL TELEPHONE COOPERATIVE, INC.
- PCS Digital Wireless Planning
  - License Partitioning Planning and Tower Placement Planning
  - CHESNEE TELEPHONE COMPANY, INC.
- LMDS Broadband Wireless Spectrum
  - Equipment Applications Engineering and Master Planning
  - WEST CAROLINA RURAL TELEPHONE COOPERATIVE, INC.



# PROFESSIONAL PROFILE

*Thaddeus R. Arnold, Jr., P. E.*

*Principal*

## ***Background:***

Has over 40 years of experience and serves as firm's Executive Vice President of Telecommunications Engineering. Has been responsible for conceptual and financial planning, design, preparation of plans and specifications, resident inspection, construction surveillance, and acceptance testing of numerous multimillion-dollar telecommunications and CATV facilities.

Supervised telecommunication needs studies for governmental agencies in addition to the telecommunications industry experience.

Project Manager and Chief Design Engineer for numerous system-wide designs for several independent telephone companies and cooperatives, business systems for industry including large PBX and Centrex systems, major toll route and governmental microwave systems, and military base telecommunications systems for the U.S. Navy.

Responsible for long range facilities plans, area coverage surveys, area coverage designs, economic studies, REA loan applications, tariffs, rate studies, depreciation studies, system mapping, plant records, network planning and facilities management.

## ***Education:***

Bachelor of Science, Architectural Engineering  
Clemson University

## ***Professional Registration:***

Alabama, Florida, Georgia, North Carolina, South Carolina, Tennessee

## ***Professional Affiliations:***

American Society of Civil Engineers, Association of Communications Engineers, Consulting Engineers Council, Independent Telephone Pioneer Association, National Society of Professional Engineers, National Telephone Cooperative Association, United States Telephone Association.





# PROFESSIONAL PROFILE

*George H. Wyatt, Jr., P. E.*

*Principal*

## ***Background:***

Serves as Design South's Director of Telecommunications Engineering with responsibilities which include: resource management, employee enhancement, project development and administration, RUS funding procurement, long range planning, contract preparation and administration, and client development.

Project experience includes assisting telecommunications and non-traditional clients in three states with planning, designing, budgeting, and developing specifications for a variety of initiatives such as private data networks, long haul fiber backbones, cable television ventures, fiber fed serving area designs, global positioning system based records management systems, next generation digital loop carrier analysis and digital switching system purchases.

Has extensive experience with industrial electrical power marketing and industry recruitment during a ten-year tenure with Duke Power Company. Involvement with corporate and national industrial accounts for a seven county area of Upstate South Carolina led to an additional \$85 million in annual electric revenue for Duke Power. Moreover, this involvement provided a unique and valuable insight into community infrastructure and planning which has proven useful in elements of telco strategic planning initiatives.

## ***Education:***

Master of Business Administration, Clemson University  
Bachelor of Science, Electrical Engineering, Clemson University

## ***Professional Registration:***

South Carolina, North Carolina, Georgia

## ***Professional Affiliations:***

Association of Communications Engineers  
National Society of Professional Engineers  
South Carolina Society of Professional Engineers



# PROFESSIONAL PROFILE

*Jeffrey M. Robinson, E.I.T.*

*Project Engineer*

**Background:** Responsibilities as a Project Engineer with Design South include assisting with design and layout of a fiber optic communications infrastructure for Greer CPW. Project includes approximately 50 miles of fiber optic cabling and expenditures of over \$1.5 million.

Involved with contract closeout for new switching facilities purchased at West Carolina Rural Telephone Cooperative, Inc. Responsibilities include: equipment inventory, acceptance testing, and final document preparation.

Prior to Design South, served as an Electrical Systems Engineer with Duke Power Company at Oconee Nuclear Station. Primary role was to support day-to-day operational and maintenance activities. Responsibilities included: assisting with identification and solution of problems related to plant electrical systems, developing maintenance procedures and test plans, resolving procurement issues, designing new electrical systems to replace or upgrade existing systems.

Worked as manufacturing engineer responsible for circuit board assembly at Schlumberger Industries in West Union, South Carolina. Experience included serving as project manager for purchasing a new surface mount automated assembly line. Total expenditures exceeded \$1 million in equipment costs. Responsibilities included: determining required specifications, evaluation and selection of equipment, testing and training requirements, installation and production start up, schedule and budget management.

Also, served as US representative on an international team of Schlumberger Engineers. The objective of the team was to improve the quality and cost of circuit board manufacturing within Schlumberger. Topics discussed included: maintenance and manufacturing techniques, equipment selection, materials selection, and vendors used.

**Education:** Bachelor of Science, Electrical Engineering, Clemson University

**Professional Engineer:** Engineer-In-Training



# PROFESSIONAL PROFILE

*Brandon M. Bailey*

*Project Manager*

## **Background:**

Communications experience includes system design, fiber optic route surveying, contractual negotiations, and project management of numerous urban cable construction projects in South Carolina and Georgia. Project Management services include franchise negotiations with Savannah and Augusta, Georgia, railroad and highway permitting, and negotiations with Corps of Engineers staff as well as competing telco services providing joint usage/rights-of-way arrangements.

Site representative on the following projects: \$4.7 million wastewater treatment improvements for the City of Belton, \$1.2 million back-up power station and \$1.0 million waterline improvements for the Greer Commission of Public Works, \$700,000 gravity sewer improvements to Highway 101 in Greer, South Carolina, \$700,000 elevated water tank for the Greer Commission of Public Works, \$265,000 outfall line for BASF. Projects included paving, grading, drainage, heavy reinforced concrete, reinforced masonry, and piping for storm water, wastewater and potable water.

Contract administration experience includes: \$2,300,000 Commercial Office Building for Palmetto Rural Telephone Cooperative, Inc., \$950,000 Building and Parking Addition for West Carolina Rural Telephone Cooperative, Inc., \$600,000 Building and Parking Addition to Piedmont Rural Telephone Cooperative, Inc., \$530,000 Building Improvements for the Anderson County Alternative School Board, Waggoner Trucking Sewer Improvements and Highway 101 Sewer Improvements in Greer, South Carolina, Crestview Pump Station in Greer, South Carolina, Parking Improvements for the Career Center in Williamston, South Carolina, National Bank of South Carolina in Anderson.

Design experience includes design of storm drainage, storm-water detention, sanitary sewers, roads, erosion control, and pump stations including Highway 101 Gravity Sewer in Greer, South Carolina, site design for the National Bank of South Carolina in Anderson and for Palmetto Rural Telephone in Walterboro, South Carolina, parking improvements for the Career Center in Williamston, South Carolina, design of wetwell mounted pump station for the Greer Commission of Public Works.

Agency consulting experience includes acquisition of water and sewer construction permits (SCDHEC), acquisition of water and sewer operating permits (SCDHEC), acquisition of grading permits (SCDHEC), acquisition of encroachment permits (SCDOT).

Surveying experience includes boundary surveys, topographic maps and construction surveys including stake out. Route surveys for Water Service to the BMW Plant and Highway 29 in Greer, South Carolina, Highway 101 gravity sewer in Greer, South Carolina.

## **Education:**

Bachelor of Science, Civil Engineering, Clemson University



# PROFESSIONAL PROFILE

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*Dennis L. McAdams*

## ***Background:***

Engineering experience encompasses a span of thirty years. Responsible for outside plant engineering and telecommunications projects. Supervises and assists group of specialists in all phases of outside plant engineering including mapping, design, microwave path surveys, remotes, economic selection studies, plans and specifications, staking aerial and buried cables (including fiber), conduit systems, carrier applications, preparing projects for bids, construction surveillance, inventory, loading and distribution schematics, cut sheets and cable throws, testing existing plants, acceptance testing on newly constructed facilities, and close out of projects with contractor.

Worked for five years with United Telephone Company of the Carolinas, Inc. Responsible for long- and short-range planning, budget preparation, fine gauge design, staking, preparation of construction drawings, splicing and distribution, schematics, investigation of service applications, continuous property records, preparation of encroachment permits, economic selection studies, loop treatment and carrier application.

Has attended numerous schools and workshops sponsored by Bell, United, and REA.

## ***Education:***

Civil Engineering, Clemson University



# PROFESSIONAL PROFILE

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*Scott F. Hall*

***Background:*** Initially assigned with a staking crew for Chesnee Telephone Company. This included all necessary tasks such as area coverage survey, field measurements, encroachment applications, contract documents, and final inventory for close out.

Has been introduced to associated facilities acceptance testing.

Involved in staking and preparation of necessary encroachment applications for PalmettoNet fiber route from Greenwood to Clemson, South Carolina.

Currently assigned as resident engineer on the project for an independent telco. Responsibilities include involvement in original project design, encroachment applications, contract documents, all outside plant construction supervision, updating of plant records, and final inventory and close out documents.

***Education:*** Associate of Arts, Anderson College

Bachelor of Science, Business Administration, Erskine College



# PROFESSIONAL PROFILE

*Dewey C. Harbin*

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**Background:** Over 34 years experience in telecommunications consulting in a variety of environments ranging from small independent telephone company operations to Southern Bell District Engineering Contracts.

Engineering Associates, Inc. (1959-1966): Staking and resident engineering services for construction on REA funded projects. Field Supervision - Direct supervision of all field personnel with responsibility for outside plant engineering from initial contract through project closeout.

Bean & Whitney, Inc. (1967-1969): Supervisory responsibility for all Southern Bell projects in the Savannah District with complete turnkey engineering up to release for construction.

Utility Consultants, Inc. (1969-1975): President and CEO of company providing turnkey engineering services in eight (8) Southern Bell Districts (Athens, Atlanta, Gainesville, Griffin, Macon, Newman, Rome and Valdosta, Georgia).

Byers Engineering, Company, Inc. (1975-1989): Responsible for all outside plant engineering including staking, construction inventory, cleanup, closeout and CPR of work orders for Public Service Telephone Company, Reynolds, Georgia.

Design South Professionals, Inc.: Resident Engineer with supervisory responsibility for all field personnel involved in construction surveillance of fiber and copper facilities installed for Piedmont Rural Telephone Cooperative, Inc., Laurens, South Carolina.



# PROFESSIONAL PROFILE

*Timothy G. Moore*

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*CADD/Computer Systems Manager*

***Background:*** Educated in the disciplines of electronics, mechanical and computer aided design. Executes the responsibilities of a networking technical project manager; from the study of planning, design, construction, testing, daily networking operations, networking operating systems and server hardware components.

As the CADD/Computer Systems Manager at Design South, well versed in today's networking technology and design principles. Manages the internal computer networking system from the daily operations to the long-term planning and implementation of future systems and technology upgrades. Has hands-on experience with Novell and Microsoft NT operating systems. Maintains a variety of company equipment including: File/Print Server, Back-ups, Web Server, Proxy Server/E-Mail Server/Exchange Server, Web Page design and implementation as well as desktop operating systems and a multitude of office environment software packages.

***Education:*** Associate Degree, Industrial Electronics  
Associate Degree, Aviation Maintenance  
Associate Degree, Engineering Graphics  
FAA Certified Airframe and Power Plant Mechanic  
Microsoft Certified Professional/Microsoft Certified Systems Engineer



# PROFESSIONAL PROFILE

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*Dennis Lee Beauford*

***Background:*** Experience as a consulting engineer includes work with Byers Engineering Company, Engineering Associates as well as Design South Professionals, Inc.

Worked two years on AT&T fiber optic project from Charlotte, North Carolina, to Spartanburg, South Carolina. Responsibilities included design, staking of conduit and direct buried cable, drafting, construction inspection, construction inventory, and acquisition of private right-of-way.

Has over four years experience on REA related projects. Has worked on several different projects for Hargray Telephone Company, Alltel, Virgin Islands Telephone Company, Washington Wilkes Telephone Company, West Carolina Rural Telephone Cooperative, Inc. and Piedmont Rural Telephone Cooperative, Inc. Responsibilities include area coverage survey, staking of aerial and direct buried cable, inspection of construction, final inventory of construction, schematics, and testing of cable.

***Education:*** Engineering Graphics, Piedmont TEC, Greenwood, SC  
Business Administration, Lander College





Qty.	Item	✓ Whole Armor		Frank's Uniforms		U. S. Cavalry		
		Bid Price	Extended	Bid Price	Extended	Bid Price	Extended	
82	Winter pants	67.90	5,567.80	69.95	5,735.90	Only bid gloves & sweaters		
164	Summer pants	54.25	8,897.00	53.00	8,692.00			
164	Shirt short sleeve	29.15	4,780.60	33.00	5,412.00			
164	Shirt long sleeve	32.00	5,248.00	37.00	6,068.00			
12	Hats	48.80	585.60	53.00	636.00			
50	Jackets	137.25	6,862.50	146.50	7,325.00			
82	T-shirts	14.20	1,164.40	14.70	1,205.40			
41	Sweaters	44.49	1,824.09	34.75	1,424.75			
41	Raincoats	44.20	1,812.20	48.50	1,988.50			
41	Jumpsuits	36.50	1,496.50	38.00	1,558.00			
82	BDU coats	21.50	1,763.00	25.00	2,050.00			
82	BDU pants	20.00	1,640.00	25.00	2,050.00			
12	Traffic vests	18.95	227.40	25.00	300.00			
41	Belts	19.00	779.00	12.50	512.50			
36	Plastic hat covers	2.75	99.00	3.25	117.00			
60	Neckties	2.50	150.00	3.25	195.00			
41	Gloves	24.00	984.00	24.75	1,014.75			
	Subtotal		43,881.09		46,284.80			
	SC Sales Tax		2,194.05		2,314.24			
	<b>GRAND TOTAL</b>		✓ \$46,075.14		\$48,599.04			
	Attended Bid Opening:	Larry Redmond, Whole Armor; Marianne Dillard, Ann Albertson						

**BID FORM**  
**OCONEE COUNTY PURCHASING DEPARTMENT**  
**415 S. PINE ST., ROOM 107, WALHALLA, SC 29691**

The FRANK'S UNIFORMS OF GREENVILLE

Submits herewith our Bid in response to bid request number shown above, and in compliance with the description(s) and/or specification(s) attached hereto for uniforms for the Sheriff's Department .

Qty.	Item	Bid Price	Extended
82	Winter pants	69.95	5,735.90
164	Summer pants	53.00	8,692.00
164	Shirt short sleeve	33.00	5,412.00
164	Shirt long sleeve	37.00	6,068.00
12	Hats	53.00	636.00
50	Jackets	146.50	7,325.00
82	T-shirts	14.70	1,205.40
41	Sweaters	34.75	1,424.75
41	Raincoats	48.50	1,988.50
41	Jumpsuits	38.00	1,558.00
82	BDU coats	25.00	2,050.00
82	BDU pants	25.00	2,050.00
12	Traffic vests	25.00	300.00
41	Belts	12.50	512.50
36	Plastic hat covers	3.25	117.00
60	Neckties	3.25	195.00
41	Gloves	24.75	1,014.75
	Subtotal		46,284.80
	S. C. Sales Tax (5%)		2,314.24
	Grand Total		48,599.04

The above stated bid is based on all applicable specifications, drawings, etc. associated with this bid and the following additional Addenda issued subsequent to the basic specifications and/or drawings.

BID SUPPLEMENTAL FORM

OCONEE COUNTY PURCHASING DEPARTMENT

415 S. PINE STREET, ROOM 107

WALHALLA, SOUTH CAROLINA 29691

DATE: NOVEMBER 9, 1999 BID NO 99-20

The FRANK'S UNIFORMS OF GREENVILLE takes the following exceptions:  
(Bidder)

A. OVERSIZE CHARGES

JACKETS:

XL-XLONG : 10%  
XXL : 10%  
XXXL : 20%  
XXXXL : 30%

TROUSER:

43-50 : 10%  
52-54 : 20%

SHIRTS: L/S + S/S L

18-18 1/2 : 10%  
19 : 20%  
20 : 30%

SWEATERS:

XL + XXL : 10%  
XXXL : 20%

JUMPSUIT:

XXL : 20%  
XXXL : 20%

RAINCOAT:

XL : 10%  
XXL : 20%  
XXXL : 30%

BDU COAT + TROUSER:

XL-LONG : 1.75 EA.  
XXL : 3.50 EA.  
XXXL : 4.50 EA.  
XXXXL : 6.00 EA.

B. BDU COAT + TROUSER  
ARE AMERICAN MADE,

C. VENDOR REQUIREMENTS  
SHEET ENCLOSED.

D. FUR COLLAR IF  
WANTED FOR JACKET  
IS : \$15.00 EA.

E. COOL SHIRT:

XL - 10%  
XXL - 20%  
XXXL - 30%

SIGNATURE: \_\_\_\_\_

*Frank H. Kenner*

BID NO. 99-20

(Use this number on envelopes and all related correspondence.)

**BID FORM**  
**OCONEE COUNTY PURCHASING DEPARTMENT**  
**415 S. PINE ST., ROOM 107, WALHALLA, SC 29691**

The Whole Armor Uniform Co., Inc.

Submits herewith our Bid in response to bid request number shown above, and in compliance with the description(s) and/or specification(s) attached hereto for uniforms for the Sheriff's Department .

Qty.	Item	Bid Price	Extended
82	Winter pants	67.90	5567.80
164	Summer pants	54.25	8897.00
164	Shirt short sleeve	29.15	4780.60
164	Shirt long sleeve	32.00	5248.00
12	Hats	48.80	585.60
50	Jackets	137.25	6862.50
82	T-shirts	14.20	1164.40
41	Sweaters	44.49 *	1824.09
41	Raincoats	44.20	1812.20
41	Jumpsuits	36.50	1496.50
82	BDU coats	21.50	1763.00
82	BDU pants	20.00	1640.00
12	Traffic vests	18.95	227.40
41	Belts	19.00	779.00
36	Plastic hat covers	2.75	99.00
60	Neckties	2.50	150.00
41	Gloves	24.00	984.00
	Subtotal		43881.09
	S. C. Sales Tax (5%)		N/A
	Grand Total		43881.09

The above stated bid is based on all applicable specifications, drawings, etc. associated with this bid and the following additional Addenda issued subsequent to the basic specifications and/or drawings.

\* Alternate sweater by Fechtmeier  
we are not a dealer for Blauer at this time.

BID SUPPLEMENTAL FORM

OCONEE COUNTY PURCHASING DEPARTMENT

415 S. PINE STREET, ROOM 107

WALHALLA, SOUTH CAROLINA 29691

DATE: 11-8-99

BID NO 99-20

The Whole Bemer Uniforms, Inc. takes the following exceptions:  
(Bidder)

Sweater we are bidding is by Fechheimer not Blauer  
we are not a Blauer customer at this time

All other items are exactly as specified.

Oversize charges will apply at a rate of 10% for all pants  
larger than size 42, shirts larger than 17 1/2, jackets larger  
than XL.

SIGNATURE: Larry Monday

**BID NO. 99-20**(Use this number on envelopes and  
all related correspondence.)**BID FORM**  
**OCONEE COUNTY PURCHASING DEPARTMENT**  
**415 S. PINE ST., ROOM 107, WALHALLA, SC 29691**The U.S. Cavalry

Submits herewith our Bid in response to bid request number shown above, and in compliance with the description(s) and/or specification(s) attached hereto for uniforms for the Sheriff's Department .

Qty.	Item	Bid Price	Extended
82	Winter pants	NO BID	
164	Summer pants	NO BID	
164	Shirt short sleeve	NO BID	
164	Shirt long sleeve	NO BID	
12	Hats	NO BID	
50	Jackets	NO BID	
82	T-shirts	NO BID	
41	Sweaters	\$51.80	\$2,123.80
41	Raincoats	NO BID	
41	Jumpsuits	NO BID	
82	BDU coats	NO BID	
82	BDU pants	NO BID	
12	Traffic vests	NO BID	
41	Belts	NO BID	
36	Plastic hat covers	NO BID	
60	Neckties	NO BID	
41	Gloves Kevlar Resistor	\$22.60	\$926.60
	Subtotal		\$3050.40
	S. C. Sales Tax (5%)		152.52
	Grand Total		\$3,202.92

The above stated bid is based on all applicable specifications, drawings, etc. associated with this bid and the following additional Addenda issued subsequent to the basic specifications and/or drawings.

Pre-App Deadline 11/15/99



### SOUTH CAROLINA EMERGENCY PREPAREDNESS DIVISION Hazard Mitigation Pre-Application

Send To: Todd Lewis, State Hazard Mitigation Officer  
SCEPD, 1429 Senate Street, Columbia, SC 29201  
Phone: (803) 734-8020 Fax: (803) 734-8062

Disaster # FEMA-1299-DR-SC

Name of Applicant Oconee County  
(State or Local Government, Native American Tribe, Special Governmental District, Eligible Private Non-Profit)

Point of Contact (POC) Name Henry Gordon

POC Agency Emergency Preparedness POC Title Director

POC Agency Address 415 South Pine Street, Walhalla, SC 29693  
(Street #, Street Name, City, Zip Code)

POC Phone # (864) 638-4200 Fax # (864) 638-7046 Email Address oconead@carol.net

Does your community participate in the National Flood Insurance Program?  Yes  No

Does your community have a FEMA approved Flood Mitigation (FMA) Plan?  Yes  No

Does your community have a FEMA approved Community Rating System Repetitive Loss or Floodplain Management Plan?  Yes  No

Brief description of problem(s) to be solved and mitigation alternatives under consideration  
(include geographical area, anticipated benefits, total estimated cost figures -- attach additional pages if necessary)

Camp Creek Road, located in the Five Forks area of Oconee County between Walhalla and Westminster lies in a flood plain. It floods often due to being next to a creek fed by a watershed. This county maintained road is a main thoroughfare for local traffic. To mitigate future flooding, we request that a .3 of a mile section of this road be built up approximately five (5) feet. There is no other mitigation alternative. Estimated cost of this project is \$150,000 including culverts and resurfacing.

Potential Source(s) of Matching Funds Oconee County

Signature Henry A. Gordon, Jr. Date November 12, 1999

Form dated - 10/02/99

Post-It Fax Note	7671	Date	11/12	# of Pages	1
To	CPAL	From	Henry		
Co./Dept.		Cc.			
Phone #		Phone #			
Fax #		Fax #			

Pre-App Deadline

11/15/99



# SOUTH CAROLINA EMERGENCY PREPAREDNESS DIVISION Hazard Mitigation Pre-Application

Send To: Todd Lewis, State Hazard Mitigation Officer  
SCEPD, 1429 Senate Street, Columbia, SC 29201  
Phone: (803) 734-8020 Fax: (803) 734-8062

Disaster # FEMA-1299-DR-SC

Name of Applicant Oconee County  
(State or Local Government, Native American Tribe, Special Governmental District, Eligible Private Non-Profit)

Point of Contact (POC) Name Henry H. Gordon, Jr.

POC Agency Emergency Preparedness POC Title Director

POC Agency Address 415 S. Pine Street, Walhalla, SC 29693  
(Street #, Street Name, City, Zip Code)

POC Phone # (864) 638-4200 Fax # (864) 638-7046 Email Address ocepa@carol.net

Does your community participate in the National Flood Insurance Program?  Yes  No

Does your community have a FEMA approved Flood Mitigation (FMA) Plan?  Yes  No

Does your community have a FEMA approved Community Rating System Repetitive Loss or Floodplain Management Plan?  Yes  No

Brief description of problem(s) to be solved and mitigation alternatives under consideration  
(include geographical area, anticipated benefits, total estimated cost figures -- attach additional pages if necessary)

None of the Oconee County Red Cross or Special Need Shelters have backup generators except Oconee Memorial Hospital, which has limited space. Therefore, we request the following Red Cross and Special Needs Shelters be retrofitted to allow quick and easy

<u>installation of generators when needed:</u>	<u>St. Marks Methodist Church</u>
<u>Walhalla High School</u>	<u>616 Quincy Road, Seneca, SC</u>
<u>Razorback Lane, Walhalla, SC</u>	<u>Shaver Recreation Complex</u>
	<u>698 W. South Fourth St., Seneca, SC</u>
	<u>Westminster Baptist Church</u>
	<u>212 E. Windsor St., Westminster, SC</u>
<u>The estimated cost of this project is \$60,000.</u>	<u>Seneca High School</u>
	<u>100 Bobcat Ridge Road, Seneca, SC</u>
<u>There are no other mitigation alternatives.</u>	<u>West Oak High School</u>
	<u>130 Warrior Lane, Westminster, SC</u>

Potential Source(s) of Matching Funds Oconee County, School District of Oconee County, Churches  
City of Seneca

Signature Henry H. Gordon, Jr. Date 11/16/99  
Henry H. Gordon, Jr., Director



Pre-App Deadline 11/15/99



# SOUTH CAROLINA EMERGENCY PREPAREDNESS DIVISION Hazard Mitigation Pre-Application

Send To: Todd Lewis, State Hazard Mitigation Officer  
SCEPD, 1429 Senate Street, Columbia, SC 29201  
Phone: (803) 734-8070 Fax: (803) 734-8062

Disaster # FEMA-1290-DR-SC

Name of Applicant Doonee County  
(State or Local Government, Market Association Title, Special Government District, Eligible Private Non-Profit)

Point of Contact (POC) Name Henry Gordon

POC Agency Emergency Preparedness POC Title Director

POC Agency Address 415 South Pine Street, Walhalla, SC 29691  
(Street, Street Name, City, Zip Code)

POC Phone # (864) 638-6200 Fax # (864) 638-7046 Email Address scpepd@scariol.net

Does your community participate in the National Flood Insurance Program?  Yes  No

Does your community have a FEMA approved Flood Mitigation (FMA) Plan?  Yes  No

Does your community have a FEMA approved Community Rating System Repetitive Loss or Floodplain Management Plan?  Yes  No

Brief description of problem(s) to be solved and mitigation alternatives under consideration  
(Indicate geographic area, anticipated benefits, total estimated cost figures -- attach additional pages if necessary)

The Doonee County Operations Center (DOC) is being moved to a renovated former elementary school cafeteria located at 415 S. Pine Street in Walhalla, SC.

The room has eight (8) large windows which make it unsafe in the event of a tornado, hurricane, or high winds. We, therefore, request eight (8) roll down, extended double wall aluminum 54" x 96" shutters to protect the DOC from

wind damage, debris, or other flying objects. The shutters can also be used to keep heat, light, and wind out and to avoid water leaks. The estimated cost

of the shutters is \$9000 including installation. There are no other mitigation alternatives.

Potential Source(s) of Matching Funds Doonee County

Signature Henry H. Gordon, Jr. Date 11/16/99  
Henry H. Gordon, Jr.

Form dated - 10/02/99

Post-It Fax Note	7871	Doc 11/12	Sub 3
To	CPAL	From	HENRY
Dist/Dept.		50	
Phone		Phone	
Fax		Fax	

# **OCONEE COUNTY EMERGENCY PREPAREDNESS AGENCY**



415 South Pine Street  
Walhalla, South Carolina 29691  
Telephone (864) 638-4200 • Fax (864) 638-7046

*Henry Gordon, Director*  
Residence (864) 647-8553

November 12, 1999

The Honorable Strom Thurmond  
United States Senator  
217 Russell State Office Building  
Washington, DC

Dear Senator Thurmond:

As you know, the recovery of Rachel Trois' body from the Chattooga River was an extended tragedy requiring vast resources from a wide variety of county, state, federal, commercial, and volunteer sources. Your letters of appreciation validated our feelings about the level of cooperation and teamwork that led to the safe and successful recovery effort.

Here is an accounting of actual dollars expended or lost by these local agencies, businesses, and volunteers:

<u>Agency</u>	<u>Amount</u>
Oconee County Emergency Preparedness Agency	\$ 23,315.00
Rabun County Emergency Management Agency	\$ 35,968.00
Habersham County	\$ 6,597.00
Oconee County Search and Rescue Volunteers (out of pocket)	\$ 5,000.00
Rabun County Search and Rescue Volunteers (out of pocket)	\$ 6,000.00
Commercial Divers	\$ 33,000.00
Commercial Outfitters	\$ 15,633.00
U.S. Forest Service (South Carolina)	\$ 39,000.00
U.S. Forest Service (Georgia)	\$ 28,118.00

Georgia Department of Natural Resources	\$ 12,320.00
South Carolina Department of Natural Resources	\$ 21,300.00
Total	\$226,251.00

This recovery effort was the longest, most complex, most controversial, and most expensive search and rescue these counties have ever experienced. The expenditure of these funds has made a significant impact on the budgets of the counties, the search and rescue organizations, and the Outfitters. Because of the lack of funds, the counties and search and rescue organizations, in particular, are now in a substantially weakened condition. This will hamper their response capabilities. Equipment, materials, and supplies used and/or lost during the recovery have not been replaced.

Since the successful recovery of Rachel's body, we are working together to increase public awareness about the inherent dangers of the Chattooga River area; however, we also recognize that future tragedies are inevitable in this popular recreation area. We ask your help in securing funding to reimburse the county agencies, the search and rescue organizations, and the outfitters for this significant loss of equipment and financial resources and to strengthen our efforts to prevent future drownings on the Chattooga River.

I will be happy to work with your staff as we discuss opportunities for funding sources.

Respectfully,

---

Henry H. Gordon, Jr.  
Director  
Oconee County  
Emergency Preparedness Agency

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Roy Lovell  
Director  
Rabun County, Georgia  
Emergency Management Agency



5. That Pine River Plastics, Inc., receives the necessary state and local government approvals to be deemed a "qualifying" project for income tax credits under Chapter 6 of Title 12 in the Rural Development Act.

6. That County has requested and Cooperative has agreed to invest dollars in infrastructure payments that Cooperative would otherwise have been paid as part of its license liability to the State of South Carolina, through the Department of Revenue. South Carolina Department of Revenue Ruling #96-11 (12-9-96) provides that there are no restrictions requiring a project to be within the service area of the electric cooperative claiming the credit; thus, an electric cooperative subject to license tax under Section 12-20-100 of the Code may contribute cash to any project that meets the requirement of the statute.

7. That County agrees to use these funds only for infrastructure improvements set out and approved by the South Carolina Rural Development Act of 1996.

8. That County agrees to abide by any and all stipulations, conditions, and requirements of the South Carolina Rural Development Act, including, but not limited to, any and all necessary filings made necessary by the Act upon receipt of these funds.

9. That if, and in the event, the County fails, or otherwise refuses to use the funds contributed by Cooperative for the intended purpose(s), County hereby agrees to take any and all such steps as are necessary to repay those funds immediately to Cooperative or, in the alternative, to pay them on behalf of Cooperative to the Department of Revenue. If the County fails to take action to reimburse the State or the Cooperative, the Cooperative shall have a cause of action against the County for breach of this agreement.

10. That in the event the funds are not appropriately used under the South Carolina Rural Development Act and Cooperative is held responsible for the payment of any and all of these funds to the State of South Carolina, County agrees not only to repay such funds, but also agrees to pay any penalty, interest, or fines that result from the lack of or inappropriate use of said funds.

11. That the parties agree that they will both sign a form required by the South Carolina Rural Development Act waiving the statute of limitations on the State of South Carolina through the Department of Revenue for attempting to collect the above referenced funds if, and in the event, they are not appropriately used under the Act and both parties agree to take all steps that would be necessary to cooperate with the Department of Revenue to see that the transfer and use of these funds are appropriately handled and accounted for.

WITNESS our hands and seals this \_\_\_\_\_ day of November, 1999,  
at Walhalla, South Carolina.

WITNESSETH:

**COUNTY OF OCONEE**

\_\_\_\_\_

\_\_\_\_\_

BY: Harrison Orr  
ITS: County Supervisor

**BLUE RIDGE ELECTRIC  
COOPERATIVE, INC.**

\_\_\_\_\_

\_\_\_\_\_

BY: Charles E. Dalton  
ITS: President & CEO

# OCONEE COUNTY PURCHASING DEPARTMENT

415 S. Pine St.  
Walhalla, S.C. 29691

Purchasing Agent  
Marianne A. Dillard

**TO:** Supervisor Harrison Orr  
County Council Members

**FROM:** Marianne Dillard *MAAD*

**DATE:** November 8, 1999

**RE:** RFQ for Wireless Communications Consultants

Attached are copies of our original RFQ, the four responses we received, a tabulation sheet indicating who did and did not respond, and the interview committee's scoring tabulation.

As I stated in the Council meeting the other night, in the interview process estimated costs were discussed with both firms who were interviewed. Comp Comm, Inc. indicated that the cost would be between \$20,000-30,000. Tower Tactics, Inc. was a little vague in their estimated costs.

As you are aware, a request of this nature is not based solely on cost, but on the firm's qualifications. Therefore, it is the interview committee's recommendation that the County enter into a contract with Comp Comm, Inc. to perform this scope of work for a cost not to exceed \$35,000.

I will not be here for the Council meeting on November 16<sup>th</sup>; however, Mr. Hendricks has asked me to place this items on the agenda and has indicated that he will be available to answer any questions you might have.

/mad

**Cc:** Tom Hendricks  
John Murray  
Jon Caime

Telephone  
(864) 638-4141

Fax  
(864) 638-4142

# OCONEE COUNTY PURCHASING DEPARTMENT

415 S. Pine St.  
Walhalla, S.C. 29691

*Purchasing Agent*  
*Marianne A. Dillard*

## REQUEST FOR QUALIFICATIONS

### AN INVITATION TO RENDER PROFESSIONAL PLANNING CONSULTING SERVICES IN THE FIELD OF WIRELESS TELECOMMUNICATIONS

**RFQ # 99-15**

Oconee County desires to engage the professional and technical services of a consulting firm, group, or individual knowledgeable in the field of wireless telecommunications planning. Oconee County is in the process of enacting a Performance Standards Ordinance to be consistent with the Telecommunications Act of 1996, while taking into account the County's environmental and aesthetic concerns.

The services to be rendered may include, without limitation:

- the evaluation of the characteristics of Oconee County, as related to telecommunications facilities or devices
- mapping, where necessary
- inventory of existing towers and their locations
- preparation of a sustainable master plan for location of facilities and devices
- assist the County in the creation of a comprehensive tower zoning plan, a subsequent ordinance, to include verification with FCC RF emission standards, which would provide the best coverage with the fewest towers
- investigation of the benefits and consequences of the County construction and operating facilities on publicly owned land

The qualifications for the consultant must include, without limitation:

- demonstrated competence and experience in planning, specifically in the area of telecommunications
- familiarity and experience in working with the Telecommunications Act of 1996
- performance of services primarily on behalf of a local government entity
- ability to perform and complete services within a designated period of time after notification to proceed

Proposal content shall include without limitation:

- A statement of compliance with requested services and qualifications for consultants listed above.
- Resumes of key personnel who will be assigned to this project
- A list of references for similar completed projects
- A disclosure of any business relationships your firm may have (or have had since 1996) with any parties that might create a conflict of interest (i.e., any

*Telephone*  
*(864) 638-4141*

*Fax*  
*(864) 638-4142*



company that has constructed or applied to construct a tower in Oconee County, or any personal or business relationship with any County Official associated with this project).

The fee for professional services to be rendered will be negotiated with the firm or group selected, and the firm or group selected will be required to enter into a formal agreement with the County of Oconee.

Please submit eight (8) copies of the requested proposal, and any other pertinent support information to:

Marianne Dillard  
Purchasing Agent  
County of Oconee  
415 South Pine Street, Room 107  
Walhalla, South Carolina 29691

To be considered, proposals must be received at the above address no later than Wednesday October 20, 1999 at 2:00 p.m. at which time they will be publicly opened and the names of the offers read aloud and recorded. NOTE: Faxed or e-mail responses will not be accepted.

Dated: October 4, 1999

Wireless Communications Consultants

#99-15

Interview Scoring

	<b>TowerTactics</b>	<b>CompCom</b>
<b>Chuck Timms</b>	<b>61</b>	<b>83</b>
<b>John Murray</b>	<b>49</b>	<b>87</b>
<b>Tom Hendricks</b>	<b>51</b>	<b>73.5</b>
<b>Jon Calme</b>	<b>37</b>	<b>66</b>
<b>Marianne Dillard</b>	<b>56</b>	<b>76</b>
<b>GRAND TOTAL</b>	<b>254</b>	<b>385.5</b>

STATE OF SOUTH CAROLINA  
COUNTY OF OCONEE  
ORDINANCE 99-16

**“AN ORDINANCE TO PROVIDE FOR THE TRANSFER OF FUNDS NOT TO EXCEED \$1,500,000 FROM THE FUND BALANCE ACCOUNT OF OCONEE COUNTY, SOUTH CAROLINA FOR THE CONSTRUCTION OF “T” HANGARS AND CORPORATE HANGARS AT THE OCONEE COUNTY REGIONAL AIRPORT AND OTHER MATTERS RELATING THERETO”**

**WHEREAS**, Oconee County heretofore adopted Oconee County Ordinance 99-5, known as the Oconee County Budget Ordinance for fiscal year 1999-2000; and

**WHEREAS**, Section 4-9-140 of the Code of Laws of South Carolina (1976), as amended, provides that a County Council may make supplemental appropriations which provide that funds appropriated in the annual budget may be transferred for purposes other than as specified in such annual budget when such transfers are approved by the County Council; and

**WHEREAS**, the Oconee County Council has identified a need for additional “T” hangars and corporate hangars at the Oconee County Regional Airport and has deemed it appropriate to construct **forty-two (42) “T” hangars and three (3) corporate hangars at a cost not to exceed \$1,500,000; and**

**WHEREAS**, the County Council has determined that the construction of such hangars would benefit the general public welfare of the County and other purposes; and

**WHEREAS**, Section 4-9-30 of the Code of Laws of South Carolina (1976), as amended, provides that a County Government has the power and authority to construct improvements and facilities as needed for county purposes.

**NOW THEREFORE**, be it ordained by the Oconee County Council in session duly assembled with a quorum present and voting, as follows:

**SECTION I:** It is hereby ordered that an amount not exceeding the sum of \$1,500,000 shall be transferred from the fund balance account of Oconee County to such operational accounts as may be directed by the Supervisor of Oconee County to be used for the purpose of constructing additional aircraft hangars at the Oconee County Regional Airport, **to include all necessary expenditures required for completion of such project, including, without limitation, all expenditures necessary for equipment, services and materials required for the completion of such project.**

**SECTION II:** The Supervisor-Chairman of the Oconee County Council, the Clerk to the County Council and the Finance Director for Oconee County and any other proper officer(s) of the County, shall be and each of them is hereby authorized and directed to execute and deliver any and all documents and instruments and to cause to be done any and all acts and things necessary or proper for carrying out the transaction contemplated by this Ordinance.

**SECTION III:** **All unexpended funds from this appropriation shall remain in and/or revert to the fund balance account(s) of Oconee County.**



School District of Oconee County Administrative Offices

North College and East North Broad Streets, P.O. Box 649, Waihalla, SC 29691 • (864) 638-4000 • Fax (864) 638-4031

November 10, 1999

Mr. Harrison Orr  
Supervisor-Chairman  
Oconee County Council Administrative Offices  
415 South Pine Street  
Waihalla, SC 29691

**RE: Gravel Request for Walking Trail - James M. Brown Elementary School**

Dear Harrison,

I have had a request from personnel at James M. Brown Elementary School for 400 tons of gravel for a 2-mile walking trail (5 feet wide and 2 inches thick).

If you can donate the gravel to the school for this project, please contact: Kathy Whitmire, Principal, at 638-4580.

Thank you very much for your consideration.

Sincerely,

Buddy G. Herring  
Superintendent of Education

BGH:iow

PC Kathy Whitmire, Principal  
Kathy Crain, Resource Teacher